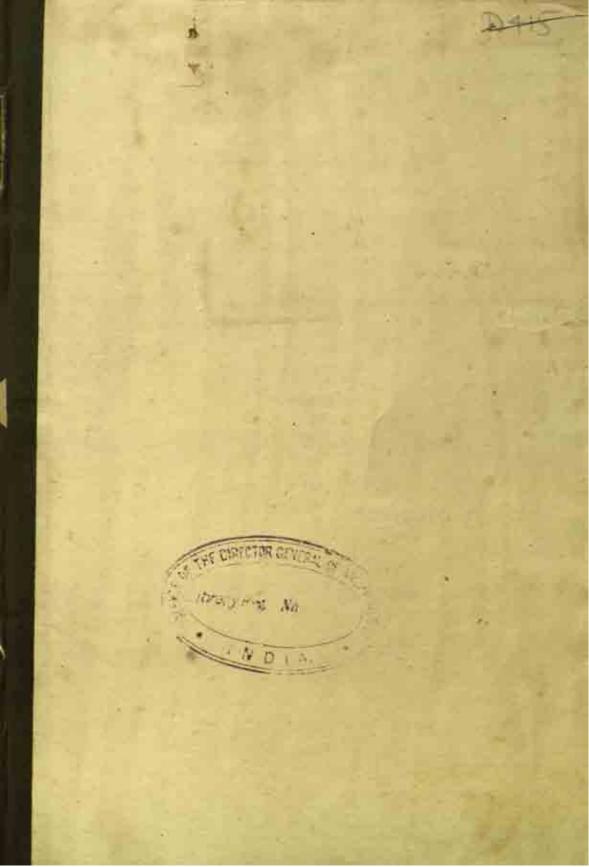
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FIRST REPORT

OF THE

CURATOR OF ANCIENT MONUMENTS IN INDI/

FOR THE YEAR 1881-82.



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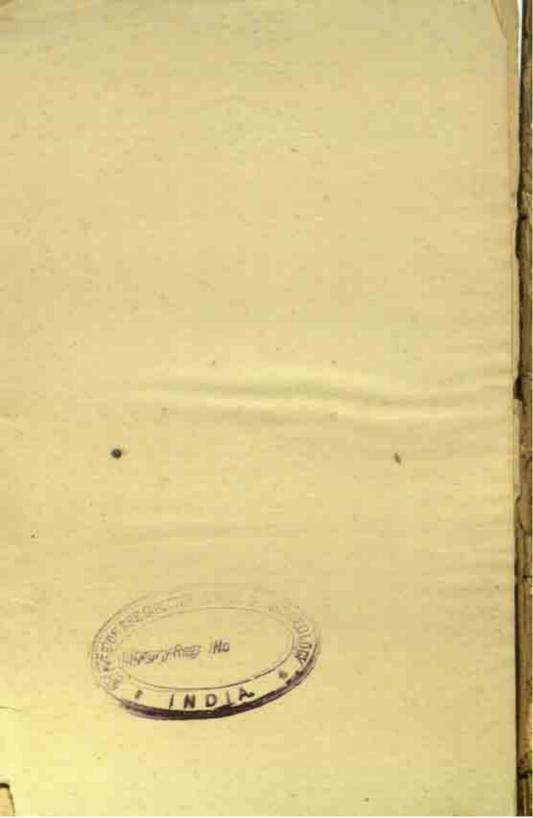
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FIRST REPORT

OF THE

CURATOR OF ANCIENT MONUMENTS IN INDIA

FOR THE YEAR 1881-82.

PREFACE.

In April 1880, the Supreme Government placed me on Polisius special duty for the purpose of investigating the conditions of monumental buildings at Labore, Dolhi, and Agra. After visiting these places, I submitted a report, dated 10th May, together with a List of the Principal Monuments throughout India (see Appendix II, page xix). I have now added to this list particulars of the works of conservation that have been undertaken and are in progress.

- A temporary establishment of draftsmen sanctioned to was engaged during the year in measuring the buildings equ. at Lahore and Delhi mentioned in this report; and during July, I inspected and directed the work.
- 3. The measurement of the structures in site and the fairing out of the drawings proceeded during the year. A separately of draftsmen were engaged later on at Sanchi and Manda; and the work at Lahore, Delhi, and Amritsor was continued up to April 1881, when the whole party assembled at head-quarters and turned their attention to the completion of drawings.

Tour in Noventer-Desember 1880

4. On the 2nd November 1880 I left Simla on tour, visiting Lahore, Amritsar, Agra, Gwalior, Allahabad, Sanchi, Mandu, Ujain, Benares, Jaunpur, returning to Simla, where I drew out reports on the places visited, and awaited the directions of the Government of India. In obedience to orders, I proceeded to Calcutta, arriving on the 19th January 1881

Appointment of Curator-

5. On the 28th January I was guzetted Curator of Ancient Monuments in India; and on the 2nd February following, received instructions to inspect the principal monuments throughout India (see Resolutions in the Home, Revenue and Agricultural Department, Appendices I and K, page lxxiii).

our in Ma.

- 0. I left Calcutta on the 6th February, and proceeded sy, and Hart to Madras, visiting Mahavellipur, Vellore, Trichinopoly, atana, 1880 Srirangam, Madura, Tanjore, Kombakonum, Chillambaram, Congeveram, and Bijanagar. I then proceeded to Kallburgah in the Nizam's Dominions, and on to Bombay, seeing Bijapur, Poona, Karli, Ambernath, Elephanta, and Ahmedabad. Passing up the Rajputana State Railway, I visited Mount Abu, Ajmir, Ulwar, Jaipur, and Delhi, returning to Simla on the 16th April.
 - 7. From May I was engaged in compiling the preliminary reports on Madras, Bombay, Rajputana, Kalburgah, and Central India.
 - 8. During July I inspected the Delhi walls and gates and the fortress at Gwalier, where Major Keith is employed on special duty, in renovating its ancient buildings.
 - 9. During November I visited Lahore, in company with Mr. Heath, Executive Engineer, Archaeological Division, Agra, in order to ascertain whether he could undertake to superintend repairs to monuments at Lahore and Delhi, in addition to his work in the North-Western Provinces.
 - 10. The members of my establishment were uninterraptedly employed in fairing out plans and drawings up to

the end of November, when they accompanied me to Umballa, where during December and January 1882 I was busy with Tom in the regime ital studies previous to an examination for promotion to Major, held on the 30th and 31st of January. This greatly encrosched on my tour senson; but the draftsmen continued their work, a party proceeding on the 12th December to Madras to survey at Trichinopoly and Madura:

11. Leaving the remainder of the draftsmen at Umballa to continue their plans and fairing out, I proceeded to Peshawar, where I arrived on the 6th February, visiting Polaries Ranighat, Shahbazgarhi, the Karamar Hill, Bakshall and Takht-i-Bahi in Eusofzai, and Charsuddah in Hastnagar.

12. After Eusofzai I proceeded to Nur Mahal, near torians Phillour, and then to Gwallor, Agra, Buddha Gya, and Court le vid Calcutta to Madras, Madura, Bombay, Indore, Ajmir, das 1882. and back to Simla on the 7th April. From the 24th April to the 7th June I became occupied with the theoretical subjects obligatory in the examination for promotion to Major:

13. Having briefly sketched out the way in which my time has been employed since April 1880, I venture to submit some preliminary and general observations on the subject of conservation of national monuments; the various appendices particularise in detail what has been recommended to the new various Local Governments, Administrations, and Native Local Gov-



CHAPTER E

RESET PROPERTIES AND RESSERS UNDESTREET FOR THE PROPERTIES AND REPAIR OF BUILDING STREETS THE TRANS INC. AND ISSUE

Priving. THE RESERVE

14. It will probably be neither out of place or uninteresting to trace the various steps that have led up to the present systems for archaeological investigation, and for preserving the structures themselves, or records of their architecture.

Blarly, lorestigations.

15. During the infancy of British rule, officials, although fully occupied with the arduous tasks of government, found leisure to investigate local antiquities, and the names of Todd, Wilson, Prinsep, Buchanan, Kiftoe, in Bengal; of Mackenzie, Elliot, in Madras; and of Sykes, Forbes, Wilson, Bhaudaji, in Bombay, are illustrious examples of such individual labours.

Harly Emilion Grandlern.

16. The accounts of the early Eastern travellers are also so numerous and interesting, that I have ventured to place in the Appendix (see M. pages lxxvi to ev) a Catalogue of Works referring to Indian and Oriental Architecture, Art and Archeology.

Care of mename at a la

17. A sentiment of respect for the monuments of the past has not unfrequently been exhibited by the early Governors General. India is indebted to the Earl of Minto, the Marquess of Hastings, Lord Amherst, Lord Auckland, Lord Canning, and others, for the present state of preservation of some of the most beautiful monuments of Indian antiquity.

Taj, 1800.

18. In 1808, during the administration of the Earl of Minto, a Taj Committee was appointed, and Lieutenant Taylor was entrusted with repairs, which exceeded Ra. 1.00,000 in cost.

19. In 1815 the Marquess of Hastings directed repairs at Styling Si. Patchpur-Sikri and Sikandra; and in the following year the local agents at Agra were instructed to negotiate for the surrender of the lease of the grounds belonging to the Tomb of Akbar, and to propose a small establishment for keeping

the grounds; whilst Lieutenant J. Taylor was sent to reside at Sikandra for the purpose of preserving the tomb from ruin.

- 20. In 1816 the pensions of deceased kadims at the Taj Tsj. 1816, were discontinued, and the fruit grown in the gardens was sold for the benefit of Government.
- 21. In 1826 the Kutub Minar was repaired, by order of Katakaman, the Government of India, by Major Smith, R.E. (Governor General Earl Amherst).
- 22. Between the years 1828 and 1835, when Lord William Tej. 1828-25.

 Bentinck was Governor General of India, the Taj was on the point of being demolished for the value of its marbles; and it was in 1831 proposed to lease the Sikandra Gardens to the Executive Engineer at Agra for the purposes of speculative cultivation.
- 23. In 1840 the local agents at Agm reported that the Taj revenue.

 Taj revenues from villages yielding Rs. 4,200 per month
 were at the time of the British occupation applied to the
 general purposes of the State.
- 24. During the Governor Generalship of Lord Auckland, had all in 1842, the local agents at Agra were directed to assume Tomb, 1842, charge of Itmad-ud-Dowlah's Tomb, and keep it in repair.
- 25. In 1843 Viscount Hardinge authorised the local agents at Agra to disburse Rs. 150 for the repairs of Itmadual-Dowlah's Tomb; and in 1847 his Government directed Tomb of Salisa Chief, the Collector to bring the villages connected with the shrine Palabage. of Shaikh Salisa Chief, 1847, of Shaikh Salisa Chief, 1847, of the district.
- 26. About 1848 Captain Gill was employed in making captural faithful transcripts of the wonderful paintings in the Caves lags, 1848, of Ajanta.
- 27. In 1848 Sir Bartle Frere, then Resident at Satara, Tojanov, instituted a survey of the Muhammadan remains at Bijapur, and Captain Hart, of the Bombay Engineers, had charge of the work.

Ballim Chiate's Tumb, 1880.

28. During Lord Dalhousie's time the Lieutenant-Governor of the North-Western Provinces, in 1850, sanctioned the following distribution of the endowments connected with the Tomb of Shaikh Salim Chisti at Fatehpur-Sikri :-

				Re-	
For festivals	110	Sec.	-22	2,327	
Repairs	-	1444	- #	1,500	
School	-11% -		274	600	
Divisible among	the Shail	kh's descendant	777	8,066	
		Total.	-	10,493	per annum-

Balldings at Watta in Sind, TR55-

20. At the instance of Mr. J. Gibbs, then Assistant Commissioner, and Sir Bartle Frere, then Commissioner of Sind, in 1855, Lord Elphinstone, Governor of Bombay, sanctioned Rs. 5,000 towards the repairs to the Jama Masjid and tombs at Tatta, in Sind (see page xxxvii of the Appendix).

James Masjid. Delhi, 1857.

30. Lord Lawrence in 1857 (Governor General Lord Canning) prevented the Jama Masjid, Delhi, from being razed to the ground.

Calmil Con-65.

31. Major-General (then Colonel) Cunningham was savey, 1862- appointed Archaeological Surveyor in 1862-a post he held up to 1865.

Blisput repairs, 1863.

32 In 1863, Sir Bartle Frere, when Governor of Bombay, sanctioned an annual grant of Rs. 2,480 for the repairs of the Bijapur remains.

CHAPTER II.

SYSTEMATIC INVESTIGATION OF ARCHITECTURE AND ARCHITOCOT, SHOWING THE STREET THAT WERE TAXED FOR PREVENTING THE DESCRIPTION OF ROSUMENTS AND FOR SECURISO THEIR CONSERVATION RETWEEN THE XEARS 1865 AND 1881.

- 33. In 1866 and 1867, the late Sir Henry Cole, then Secre-Sir Henry tary of the Science and Art Department and Director of the Cole, 1866.

 South Kensington Museum, London, instituted enquiries as to the means of systematically collecting illustrations of Indian architecture (in lieu of originals) by means of photography, plans and casts (see Appendices A and B, page i); and a lecture on the study of Indian architecture was read by Mr. J. Fergusson at the Society of Arts, London, on Mr. Fergusten the 19th December 1866, Sir James Fergusson being in the 1866, chair (see page laxxi of the Appendix, M).
- 34. The following year at the Paris Exhibition of 1807, a Covention large collection of photographs created great interest for shauss of restandian architecture, and during this Exhibition a Convention was entered into by the several Princes of the reigning families of Europe, whereby they agreed mutually to assist the museums of Europe in procuring casts and copies of national objects for the promotion of art (see Appendix C, page iii).
- 35. The first movement for the systematic preservation Require at and illustration of monuments in Bombay was directed by Ahmedalast the Government of India in August 1867; repairs of buildings at Ahmedalad were taken in hand—a sum of Rs. 5,300 being sanctioned for the Tomb of Shah Alam, and Rs. 5,000 for repairing the buildings at Sirkhej.
- 36. In 1868 Sir Stafford Northcote suggested to the Gov. Barry in Madrae, crument of India to conserve and record the most remark. Bealey, able monuments in the country, and enclosed in his despatch Registres. a letter from the Director of the South Kensington Museum and resilient asking for greater details regarding the date, construction, ornamentation, and condition of ancient buildings. Survey

parties were accordingly sanctioned for Madras, Bombay, Bangal, and the North-Western Provinces, and the following steps were taken :--

Madens. 1888.

37. In Madras, Lord Napier initiated the restoration of Trimal Nayakka's Palace, and its utilisation for public offices. Mr. Chisholm prepared estimates and plans.

Bomley. ES(IB)

38. In Bombay, a party from the School of Art (under Mr. Terry) made easts at the Temple of Ambernath.

Bengal. 1805.

39. In Bengal, the Calcutta School of Art (Principal Mr. Locke) prepared casts of temples in Cuttack.

N. W. P. 1800.

40. In the North-Western Provinces an archeological survey was instituted (see Appendices D, E and F, pages v to xii).

Einchi Topes 1909

41. The Government of Sir John Lawrence prevented the demolition of the Sanchi Tope Gateways in 1868.

Alimedahad Williams. ENGINE.

12. In 1869, Rs. 3,000 was sanctioned by the Bombay Government for the repair of the Palace and Tank at Sirkhel, Ahmedahad.

Banishi mate. 1870

43. In 1870, in Lord Mayo's time, casts were made of the Eastern Gateway of the Sanchi Tope and other sculptures (see Appendix F, page xiii).

Kutub and Full Sympa Silvi cutty INTL.

41. In 1871, casts were made at the Kutub, Delhi, and at Patchpur-Sikri, Agra.

Director Guneral of

General Cunningham was appointed this year to be Ambidogy. Director General of Archivology.

Ahmetalad HOUSE, 1671-72

45. In 1871-72, Rs. 2,000 were expended by the Bombay Government on the Tomb and Mosque of Rani Sipri, Ahmedabad.

Gingi Fort. 1972-73.

46. In 1872-73 repairs were carried out to the old Fort and Temples at Gingi in South Arcot, Madras.

Copies of Aintila pointing. 1572

47. In 1872, Mr. Griffith, of the Bombay School of Art, made copies of the coloured decorations in the Caves of Ajanta. (Those done by Captain Gill had been burnt at the Crystal Palace fire.)

48. In 1873, Lord Northbrook promulgated an order Lord Northbrook promulgated and prom

Dr. Burgess was this year appointed Archaeological Re-Archaeological Re-Archaeologic

49. In 1874 preservation of historical monuments in Memorial in favour of pro-

Duleep Singh, W. Ehor.

Devenshire.

Lothian.

Salishury.

Ripon.

Durby.

Stanhape.

Curnaryon.

Stanley.

Russell.

Lawrence, Napier and Ettrick.

Halifax.

Edward Colebrooke.

James Fergusson.

H. B. E. Frere.

J. A. Fronde.

W. M. Gomm.

Arthur Gonlon.

A. Grote.

A. B. Berenford Hope.

Henry Holland.

Charles Kingulay.

James Ph. Lucuita.

J. G. Shaw-Lelevre.

Stafford Northwite.

Lawrence Peel.

A. P. Phuyre.

Edward Ryan.

Albert Samon

G. Gilbert Scott.

Arthur Stanley.

George Edmand Street-

Meadows Taylor.

Edmund Thomas.

C. E. Trevelyan.

50. A special Archæological Division was established at Stracker's Agra in 1875 by Sir John Strackey, Lieutenaut-Governor of Archeological Division, and Division, 1875.

 In 1876-77, the Local Fund Board, North Arcot, Mad-Palme at chandrager, allotted Rs. 1,000 for the repair of the old Palace, 1876-77.
 Chandragiri.

 About 1877, Colonel Sankey, E.E., carried out some Repairs in repairs to the famous temple of Hallabid in Mysore, and a Mysore.

Madra

sum of about Rs. 6,000 was spent. About Rs. 3,000 were also spent in repairing the porch of the beautiful temple at Somnathpur in Mysore.

53. In May 1877, Mr. R. Sewell superintended some Mr. Sewall at Amestuti. excavations at the Amravati Tope, Madras. 1577

Unine at Hij-54. In 1878 removal of vegetation was ordered by the BHADET, 1878. Madras Government from the ruins of Bijanagar (Hampi), Madras.

Veilore Fort. 55. The idea of restoring the temple in the Vellore Fort LETS. was initiated in 1878 by the Dake of Buckingham.

Lord Lyston's 56. A sum of 37 lakbs of rupees was in 1879 contributed grant to the N. W. P., by Lord Lytton's Government towards the restoration of LETIN buildings in the North-Western Provinces.

57. In 1879, Major Mant was appointed Conservator of Major Mant, 1579. Archeological and Architectural Remains in Bombay by Sir Richard Temple, and reported on the buildings at Ahmedabad.

58. Lord Lytton's Government in 1880 proposed the Proposed appointment of Capter is appointment of a Curator of Ancient Monuments in India to India, ISSO. the Secretary of State (the Marquess of Salisbury).

59. In 1880, the Duke of Buckingham inspected the ruins Dalor of Burthinghum at Binasgar at Bijanagar, Madras, and ordered some preservative measures. in 1880), His Grace also ordered the completion of the excavations, commenced in 1877, at the Amravati Tope, Madras. Americati, \$880.

00. Sir Ashley Eden in 1880 commenced the restoration Housel and Buillia Gya of the Great Buildhist Temple at Buildha Gya, Bengal.

61. The Marquess of Ripon in 1881 appointed the Curator Carator upbook Ripon, of Ancient Monuments in India. TREAT

Dr. Burgess was this year appointed to the Archeological Ammunico-Survey of Madeas. al Surrey.

Archeological Division. Projet. - Lieutenant Abbott, B.E. Assistant Engineer.

Central India .- Major Keith, Assistant to the Curatur of Ancient Mona-

Madeus.-Mr. Black, Assistant Engineer.

The following are in different are now engaged on marks of commercious is— Econol.—Mr. Begins, Executive Engineer, Buddha Oya.
 North-Senters Provinces and Outh.—Mr. Heath, Executive Engineer.

CHAPTER III.

GENERAL OFFERVATIONS ON THE CONSERVATION OF HISTORICAL MORTHER TO.

- 62. It may be said that investigation has from the large dipole earliest times received on all sides great attention and overgod encouragement. So much, however, remains to be done, particularly in the direction of accuracy, and the interest so increases with the increasing knowledge, that preservation of historical landmarks acquires an importance most difficult to ignore.
- 63. Experience has shown that the keenest investigators lavelies have not always had the greatest respect for the maintenance of monuments. Archeological research has for its object the chicidation of history, and to an enthusiast the temptation to carry off a proof of an unravelled mystery is undoubtedly great. If there were no such things as photographs, casts, and other means of reproducing archeological evidence, the removal of original stone records might perhaps be justified.
- 64. Sometimes, indeed, the removal of ancient remains is surplicable necessary for safe custody; and in the case of a foreign massive country we are not responsible for the preservation in situ of important buildings. We are not answerable for keeping Grecian marbles in Greece; neither were we concerned for the rights of Egypt when Cleopatra's Needle left Alexandria for the Thames embankment.
- 65. In the case, however, of India—a country which is a Prostruction British possession—the arguments are different. We are, I is site in submit, responsible for Indian monuments, and that they are preserved in situ, when possible. Moreover, as Mr. Fergusson remarks. Indian sculpture is so essentially a part of the architecture with which it is bound, that it is impossible to appreciate it properly without being able to realise correctly the position for which it was originally designed (see Appendix B, page iii).
- 66. To meet the wants of museums out here and in Europe, Families perfect facsimiles can take the place of the originals (see

Appendices A, B and C, pages i to v). Casts are made so exactly like the sculptures, that no argument against them is of force. I hope before long the Supreme Government will announce all over India the acceptance of the "in situ, if possible, principle." Each case should be judged on merits; but I submit that no demolition of importance should be allowed without the express concurrence of the Governor General in Council.

Stimelange.

67. The removal, for instance, of Stonehenge to London would, I imagine, provoke considerable excitement in England, and be condemned by a majority in the scientific and artistic world.

Cutids, Ac.

68. Outside the professional and technical remedies necessary to restore and repair national monuments, there are the important but simple measures of custody and the removal of ever-busy natural vegetation. These remedies should, I submit, be strongly recommended, by Local Governments and Administrations, to all district officials, who might, with great advantage, be invited to submit their proposals for providing custodians, wherever they consider them advisable.

interest

69. The encouragement of local interest in monuments is the more essential to secure the fabrics from damage, as without widespread organisations no measures for repairs or restorations can combat with the peculiar tropical conditions tending to damage every kind of building and structure in India.

Publication of drawings.

70. In November 1881, I addressed the Supreme Government on the subject of the reproduction of architectural illustrations, and asked for a sum of Rs. 5,000 in order to get a selection of the drawings under preparation repeated by the best processes for publication (see page laxiv of the Appendix). Government in reply stated that no large or expensive work was contemplated, but sanctioned a sum of Rs. 5,000 for the reproduction of some of the most finished drawings prepared in my survey for the preservation of any monuments of great importance, adding that the measure should be considered simply as an experiment.

Experimental 71. The results of these experimental reproductions are approbations submitted with this report, and will be referred to in the

detailed reports on the buildings in the various administrative areas. The memoranda drawn up by me at various times (see Appendices G and L, pages xvii and lxxiv) show the value I attach to such means for promulgating a knowledge of Indian art, and I can only hope that Government will deal liberally with the subject. Apart, however, from the value of illustrative matter in connection with the development of art, the publication of accurate plans and drawings of a neglected monument of interest and beauty is an important lever for securing a better state of things.

- 72. A sum of Rs. 50,000 was held in reserve by the Pub-Imperial lie Works Department in 1881-82 for grants-in-aid towards grants. repairs, &c.; and in the civil estimates for 1882-83 there is n provision of Rs. 1,00,000 for the same purpose. It was further arranged that the former sum should be available for reappropriation. This is the more necessary, as hurry in spending an annual grant before the 31st March would certainly have a bad effect on the quality of work, which in an artistic building should be first rate. I hope, therefore, that similar arrangements will be made for all grants. In connection with the principle of applying these Imperial Principle of grants, there is a point which I strongly commend to applying the notice of Government. This aid should, I urge, be smile. given when necessary to the most important monuments of their class. There are certain well-known structures and remains of imperial interest and importance, the conservation of which should be encouraged or provided for at the outset.
- 73. If Local Governments and Native Rulers find it head femals, impossible to furnish the whole of the necessary funds, the sum required to make good the total necessary expenditure should, as far as possible, be forthcoming out of the Imperial Treasury.
- 74. The acceptance of this view would permit of a Principle for the allotment to buildings admitted by the highest of Imperial authorities to be of importance (see my report of 10th May, grants.

Appendix H, ii, page xxxiv), and I have no hesitation in recommending that the necessary funds be allotted on such a principle to the most important of the following not already provided for:—

75. BUDDHIST MONUMENTS.

Baddhist monuments

Sanchi Tope—Central India, Bhopal State. Date of tope, 500 B.C.; of railing, 250 B.C.; of gates, 10-40 A.D. I made casts here in 1869, and had the place surveyed in 1880. Repairs have commenced under Sir Lepel Griffin, Agent to the Governor General in Central India. A great deal is required to be done.

Buddha Gya—Bengal, Gya District. Date of rail, 250 B.C.; of temple, 500 A.D. I have been here. The temple and rail have been restored by the Bengal Government at great cost, but well done. Executive Engineer— Mr. Beglar.

Bharhut Tope—Central India, Rewa State. Date of rail, 200 B.C. Part of the rail and one gate were removed to the Calcutta Museum by General Cunningham. I have not been to Bharhut yet.

Gandhara Topes and Monasteries—Punjab, Peshawar District. Sculptures date between 50 B.C. and 150 A.D. A great number of them have been excavated from the ruined buildings, and taken to Calcutta and Lahore. I have visited some of the most important localities. Repairs are not possible. The only remedy is to remove sculptures out of reach of the fanatical Pathan.

Manikyala Tope—Punjab, Rawalpindi. Date of the tope, first century A.D. It was repaired in 720 A.D. I saw this monument in 1868, but do not know its present condition.

Amravati Tope—Madras, Kistna District. Date of the railing, about 300-400 A.D. A large number of the railing marbles have been removed. I am about to inspect those that remain. Sarnath Tope—Bengal, Benares District. Date of tope, about sixth century A.D. I have visited this. Repairs are under the consideration of the North-Western Provinces Government.

Bhaja Chaitya Cave-Western Ghats, Bombay.

Bedsa Chaitya Cave-Western Ghâts, Bombay.

Nassick Chaitya Cave—Date 129 B.C., Western Ghats, Bombay.

Ajanta Chaitya Cave—Date about 100 B.C., Nizam's Territory.

Karli Chaitya Cave—Date 78 B.C., Western Ghâts, Bombay. I have been to Karli. Some repairs have been sanctioned by the Bombay Government.

Ajanta Vihara Caves—Date 1-300 A.D., Nizam's Dominions. I have not been to Ajanta, but the Nizam's Government has fitted the caves with doors in order to keep out bees and animals and so preserve the old frescoes.

Ellora Vihara Cave and Kailas—Nizam's Dominions.

I have not been to Ellora yet.

76. July Monuments.

Dilwarra Temples—1032 to 1247 A.D., Rajputana, John ments.

Mount Abu. I have seen these. Repairs are very much required to preserve the beautiful marble sculptures.

Temples at Parisnath-1439 A.D., Bengal, Bhaugulpore Division. I have not been here yet.

Temples in Fortress Gwalior—Central India. I have been here. Repairs have been executed by Major Keith, on special duty under the Agent to the Governor General, Central India.

Temples at Khajuraho—Central India. I have not been here yet.

Towers of Victory and Temples at Chittor— 806 and 1430 A.D., Rajputana, Meywar State. I have seen Chittor, and have just examined the buildings for repairs (August 1882). 77. HINDU OR BRAHMINICAL MONUMENTS.

Hindu mo. Temple at Pandrethan—913 A.D., Kashmir. I surinvariate veyed this in 1868. It is sadly in need of repair.

Temples at Avantipur—875 to 904 A.D., Kashmir. I surveyed these. They should be looked after.

Temple at Marttand-Kashmir. I have surveyed this. It requires looking after.

Temples at Wangat-Kashmir. These require looking after badly. A survey was made in 1868,

Seven Pagodas—Madras, Chingleput. I have seen these; they require more remedies. Some have been already executed by the Madras Government.

Temple in the Vellore Fort—Madras, North Arcot District. Has been well restored by Captain McNeil Campbell, B.E. I have seen this.

Temples at Srirangam—Madras, Trichinopoly District. Are endowed and used. I have seen them, and surveyed the buildings. They require considerable remedies.

Temple at Madura—Madras, Madura District. Is endowed and used. I have surveyed this, to show needful repairs.

Temple at Ramissiram—Madras, Madura District.

This has been surveyed for repairs.

Temple at Tanjore—Madras, Tanjore District. I have seen this. It is kept in fair order by the Princess.

Temple at Kombakonum—Madras, Tanjore District.

I have seen this; it requires attention. It is endowed and used.

Temples at Chillambaram—Madras, South Arcot. Are endowed and used. I have been here. The buildings require attention.

Temples at Congeveram—Madras, Chingleput District. I have been here. The temples are endowed and used; they require attention. Temples and Buildings at Bijanagar (Hampi)— Madras, Bellary District, 1540 A.D. These are deserted, and call for considerable attention. I have inspected the buildings, &c. The Governor of Madras, the Right Honourable Mr. Grant Duff, is about to visit them.

Temples at Nagda near Udaipur—Meywar, Rajputana. Very fine specimens of Jaina styles. I have just

seen these.

Temples at Hallabid—Mysore State, 1145 A.D. Partly repaired by Colonel Sankey, R.E., in 1877. I have not been here yet.

Temple at Somnathpur-Mysore State, 1043 A.D.

Partly repaired. I have not been here.

Temple at Baillur-Mysore State, 1114 A.D. I have not been here.

Black Pagoda, Kanarak—Bengal, Orissa; date ninth century. Measures needed. I have not been here yet.

Teli-ka-Mandir (Temple), Fortress Gwalier— Central India; date tenth century. I have been here. The building is in course of complete repair under Major Kaith and the Military Works Branch, Public Works Department.

Benares Temples and Ghats—I have been here; the buildings now remaining are mediceval in date; the temples are in use and looked after by the Natives, but many require attention in respect of elemniness and repair. Some of the ghats have fallen into rain through had foundations on the river bank.

Temple at Bindrabun—North-Western Provinces, Muttra District. Repairs commenced by Mr. Growse accessful in progress under the Executive Engineer, Archeological Division, North-Western Provinces, Mr. Heath, but lately the priests whitewashed the interior. I saw the building before repairs in 1868.

Amritsar Temple (Sikb). I have seen this. It is repaired very well by the Sikhs. A complete survey has been made at the request of Sir Robert Egerton, the late

Lieutenant-Governor of the Punjah.

78.

HINDIT PALACES.

Hinds

Madura—Madras. Very fine building. Is being repaired for offices under Mr. Chisholm, Consulting Architect to the Madras Government. I have seen this.

Tanjore—Madras. Used by the Princess of Tanjore.

Gwalier Fortress—Central India. Fine buildings, in course of being repaired under Major Keith, on special duty under the Agent to the Governor General in Central India. I have inspected this often. Plans are making in my office.

Udnipur—Maywar, Rajputaea. Used by the Maharana. I have just inspected this.

Ulwar-Rajputana. Used by the Maharao-rajah. I have seen this. Nothing done as yet.

Amber—Rajputana, Jaipur. Requires repairs. I have seen this. I regret to record that the Palace was whitewashed to receive the Viceroy in 1881. No repairs have been done as yet.

Dig-Rajputana, Bhartpur. In good order. I survoyed this in 1808.

79. MUHAMMADAN MONUMENTS.

Muhamendan mananahis

Kutub Buildings-Punjab, Delhi District. Require some attention. I made easts here in 1870. Surveys of some of the buildings have been made. Much required to be done.

Mosque at Ajmir—Rajputana. Has been partly repaired. Slight repairs still wanted. I have often inspected this building.

Mosques at Jaunpur—North-Western Provinces, Jaunpur District. I have been here. Repairs are sanctioned under Mr. Heath, Archwological Division, North-Western Provinces.

Ahmedabad Buildings—Bombay, Ahmedabad. I have seen these. Repairs were commenced in 1867 under the Collector, Mr. Borrodaile. They require and thoroughly deserve systematic repair.

Mandu Buildings—Central India, Dhar State. I have inspected these and had a survey made. They require systematic repairs, of which the Mahamja has already initiated some.

Gaur Buildings—Bengal, Malda District. I have not been here yet. The jungle was some time ago cleared by Government. A good deal is required to be done.

Kalburgah Buildings—Nizam's Dominions. I have inspected these. 'The Nizam's Government has anothoned repairs.

Bijapur Buildings—Bambay, Kaladgi District. I have inspected these. Repairs were initiated by Sir Bartle Frere when Governor of Bombay in 1863. The citadel buildings are now being converted into offices for the district by Mr. Reinold, Excentive Engineer, Kaladgi. Much remains to be done to the architectural monuments.

Mosques and Tombs at Tatta—Bombay, Sind. I have not yet seen these. They were repaired in 1855 under the auspices of Mr. Gibbs.

Shir Shah's Tomb at Sasseram—Bengal, Shahabad District. Repairs commenced by the Bengal Government. Executive Engineer—Mr. Beglar.

Akbar's Tomb, Sikandra—North-Western Frovinces, Agra District. I have often seen this. It has been renovated by Mr. Heath, Executive Engineer, Archaeological Division, North-Western Provinces, and the walls and gates are nearly complete. Mr. Lawrence, Collector of Agra, has restored the grounds.

The Taj, Agra-North-Western Provinces, Agra-District. I have often seen this. It has been perfectly restored by Mr. Heath, Executive Engineer, Archaeological Division, North-Western Provinces. The gardens are in first-rate order under the Collector of Agra, Mr. Lawrence. Jahangir's Tomb, Lahore—Punjab. I have surveyed this. Repairs that were urgently wanted have been commenced by the Punjab Government.

80. MUHAMMADAN PALACES.

Muhammadan palaces. Agra—North-Western Provinces. I submitted a report to Sir William Muir in 1868. The buildings of interest have been completely repaired by Mr. Heath, Executive Engineer, Archaeological Division, North-Western Provinces.

Delhi-Punjab. A great deal has to be done. I have surveyed some of the buildings. Repairs have commenced.

Lahore—Punjab. A great deal has to be done. I have had some of the buildings surveyed.

Jahangir's Palaces in the Daolat Bagh at Ajmir—Rajputana. I am having a survey made of the buildings to show needful repairs.

Akbar's Palace at Fatehpur-Sikri—North-Western Provinces. I surveyed this in 1869, and made easts in 1871. Repairs have since 1875 been carried out under Mr. Heath, Executive Engineer, Archaeological Division, North-Western Provinces, and are nearly completed.

SI. As already stated in my report (Appendix H, page xx, paragraph 2), architectural monuments have suffered, and are suffering, more from the acts for which Government has been responsible than from the natural decay and ruin produced by rain or vegetation in the jungle and deserted places. The remedies, which are to be applied at Lahore and Delhi, will make good damage done for the most part in the early days of British rule.

82. A list of interesting British monuments worthy of preservation is given in the Appendix N, page evi; also a list of some ancient and modern forts and citadels in India in Appendix Y, page cexvi.

H. H. COLE, Captain, R.E., Curator of Ancient Monuments in India.

APPENDIX

Extract from a Memorandum offering suggestions for collecting information about the ancient architecture of India, by Lieutenant H. H. Cole, R.E., dated Naini Tal, June 1867.

A collection of recomis of Indian architecture could only be represented in England, by photographs, drawings, plans, casts and written descriptions.

In order to render the collection paraly instructive, densits of buildings should

be accurately represented.

2. Apart from the value of representing Indian architecture for study in England, there would be a good opportunity for representing, at various museums in India, a History of Native Architecture; the education of natives, whose modern art is daily becoming more and more corrupted and all originality and identity being lost, is a matter worthy of serious consideration.

Memorandum by James Fergusson, Esq. (1868), regarding objects in India of which it is desirable casts should be obtained.

There are in the Museum of the Royal Asiatio Society at Calcutta and the Central Museum at Madras a considerable number of pieces of sculpture, some of great beauty and interest, of which it would be desirable casts should be obtained for museums in this country. There must be parties on the spot who knew which are best and most suitable," but it strikes me as extremely desirable that the parties who are to be employed in custing the larger objects is sits should first be employed on these smaller antiquities in the local museums.

In the Labore Museum there is a counderable collection of sculptures obtained from Topes in Afghanistan, principally from the neighbourhood of Pechawar, of the Bactro-Indian period, which are of extreme beauty and interest. I should like to see the originals sent to this country. The next best thing, of course, would be emats of them.

I am not aware what autiquities may be collected in any unseam in Bombay, but I fancy there must be a considerable number, some of which at least may be wastly of being so multiplied.

Bengal.—The objects in this Presidency of which, in my opinion, it would be most desirable to obtain easts, are some of the acalptures in the caves at Udyagiri in Ories, not far from Cuttack.

^{*} If any of the embytures or inscriptions from the American Tops which were deposited in the Calcutta Moscom by Colomb Mackensii am still there, mats of them would be most discrable to complete the collection leve-

The two best are the bas-reliefs in the Jodev and Ganesh Garbha Caves. These are figured in the Journal of the Asiatic Society of Bengal, vol. vii, pls. xiii and xliv. They are about 3 feet in height, and the one 20, the other, I guess, 30 feet in length. They are placed under cover in verandahs about 7 feet from the ground, and therefore very accessible and, being in low relief, easily east.

There are other sculptures in other caves in this locality which may be worthy of being cast.

These two were the only caves accomilde when I was there, and they are among the oldest and most interesting objects in India. They probably date before the Christian etc.

The black Pagesh at Kammuria not far from these caves, and is one of the best and most elaborately sculptured monuments in India. If a party were in that neighbourhood and had time they might find numerous objects in that now ruled temple worthy of being east. It is impossible without photographs or drawings to specify which; but any person in charge of the party enght to have sufficient knowledge of the subject to fix on the less.

Near Ratespars there is a temple some of the sculptures of which are figured J. A. S. B. vii, pl. xxxii., which from their style are well worthy of being cust; and if access can now be obtained to the precincts of the old Great Temple at Bhuvanesway, there must be numerous objects within its walls worthy of being cust.

So far as we now know, it is the oldest Hind's temple in India, and consequently any information regarding it must be most valuable.

This part of Orissa is full of autoquarian interest, and a party could easily find any amount of employment. So far as I can judge, their relative interest is in the order in which I have named them.

Next in interest to these Cuttack sculptures are the pillars and remains of the rail that once surrounded the Bo Tree at Boodh Gya in Beliar. Some of these are built into the courtyard of the Mahant's house. Others form a sort of parch to the present temple, and some are, I believe, in situ. These which are sculptured are equal in beauty and interest to anything in Bengal.

These pillars are not large-from 6 to 8 feet in height-and could easily be

There are also numerous fragments of ancient sculpture in the neighbourhood of Boolli Gya which are worthy of being cast, but it would require discrimination to say which. The rail is of surpassing interest. It would suffice for the present to photograph the others.

Agra and Delhi.—I am not aware of any objects of Hindu antiquity near these cities which it would be worth while to east, unless the fragments of the Buildhist mil discovered by General Countinghain at Muttra have been collected in some local museum. (Agra?). If casts were taken of them, they would be of great interest.

Among the Mahomodan remains there is little, if anything, after the death of Akhar (A.D. 1605), which is worthy of attention in this respect. After that period inlaying became the principal means of armamenting, and that cannot be expressed by casts. At the Kootub at Delhi, however, and in the old Pathan tombs and mesques there are carved details of Sameonic ornamentation equal to any found in any part of the world, and the carved geometric ornamentation of Akhar's buildings, both at Agra and Fatchpur Sikri, are unsurpassed of their class. These are all, however, only parts of large architectural designs, and unless capied on a very extensive scale would fail to reproduce the original effect. If, however, casting is undertaken in the North-West, a few small panels and details might casily be selected for experiment at least.

Sanchi.—There is no monument in the Central Provinces of which it would be so desimble to obtain casts as of the gateways at Sanchi. Two of these are fallen, and the fragments on the ground are not only easily accessible, but could without difficulty be pieced together so as to make a complete restoration afterwards. If one only were undertaken, probably the southern would be the best. If part being still erect were no objection, the eastern is probably of greater interest.

There is also the gateway of the smaller Tope a few yards to the north of the great one, which is on a much smaller scale. Only one trilition of this is standing, the rest in the ground. If the erect position of a part was no objection, its smaller scale would make this more desirable as an experiment. The sculptures are of equal interest to those of the others.

Bombay.—Some of the sculptures in the great cave at Elephanta are typical of their class, and of great interest to the sindy of Indian autiquity. The choice of those to be first operated upon would in a great degree depend on their state of preservation, and that our only be sattled on the spot.

The double Elephant Capitals in the great cave at Karli are objects of great beauty and interest. One or two of the best of them ought to be cast, and also the capitals in front of the cave at Bedra (J. B. B. R. A. S., Vol. L., p. 439).

These places are in the immediate neighbourhood of Bemisy and easily accessible by railway, and with smaller details which would suggest themselves to a party on the spot, might easily fill up a season. If operations could be extended to be proporty or Ahmedabad, there are infinite varieties of Surregaie details which it unput be worth while to reproduce by casting. As most of these have been published in the two volumes of photographs bearing these names, any one may satisfy himself on these heads, and I therefore forbear to enlarge on them.

Madras.—I am very much at a less to know what to recumment with regard to this Presidency. So far as I know, none of the sculpture of the great temples is of so high a character as to be worthy of study, apart from the buildings in which it is found, though very effective while is vite.

If a party could be detached to Bellow and Hullabed bee volume of photographs of Dharwar and Mysors), they might find abundance of profitable employment; but this would probably be too much to attempt at first. Barring this, the descerated temple in the fort at Vollore (new the arsenal) afficials some of the last and most claborate pillars of the scuthern style, and these would be extremely interesting in any collection as a means of comparison.

In conclusion, I beg heave to observe that, unless casts of scalpture is site are accompanied by plans and mansured drawings in elevation, they will lose half their value. Indian scalpture is so essentially a part of the architecture with which, it is found, that it is impossible to appreciate it properly without being able to realise correctly the position for which it was originally designed.

I may also add that no party should be despatched on such an expedition unbeaccompanied by a photographer. Forty negatives will probably not cost more than
one cast; and though they cannot supply its place, the larger field they cover and the
number of incidental details they include reader them invaluable adjuncts, and then
also bring home to us an infinity of information regarding the untiquities which no
amount of casting is likely to afford, in our days at least.

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Convention for promoting universally Reproductions of Works of Art for the benefit of Museums of all Countries.

Throughout the world every country possesses fine historical monuments of Art of its own; which can easily be reproduced by costs, electrotypes, photographs, and other processes, without the slightest damage to the original.

- (a) The knowledge of such meanments is necessary to the progress of Art, and the reproduction of them would be of a high value to all museums for public instruction.
- (b) The commencement of a system of reproducing works of Art has been made by the South Kensington Museum, and illustrations of it are now exhibited in the British Section of the Paris Exhibition, where may be seen specimens of French, Italian, Spanish, Portuguese, German, Swasa, Russian, Hindu, Celtic, and English Art.
 - (c) The following outline of operations is suggested:-
- is Each country to form its own Commission according to its own views for obtaining such reproductions as it may desire for its own museums.
- ii. The Commissions of each country to correspond with one another and send information of what reproductions each causes to be made, so that every country, if disposed, may take advantage of the labours of other countries at a moderate cost.
 - iii. Each country to arrange for making exchanges of objects which it desires,
- iv. In order to promote the formation of the proposed Commissions in each country, and facilitate the making of the reproductions, the undersigned members of the regning families throughout Europe, meeting at the Paris Exhibition of 1807, have signified their approval of the plan and their desire to promote the realisation of it.

The following Princes have already signed the Conventions-

Prince Britain and Ireland Albert Edward, Prince of Wales. Albert Duke of Edinburgh. France Louis, Prince of Hesse. Albert, Prince of Hesse. Albert, Prince of Hesse. Albert, Prince Royal of Saxony. Pattern, Counte de Flandre. Pattern, Counte de Flandre. The Creatern of Hesse. Nectals, Due de Louethtenberg. Sweden and Norway Haly Raiser, Prince of Sweden and Norway. Housen, Prince of Sweden and Norway. Housen, Prince of Sweden and Norway. Raiser, Prince Royal of Italy. Anamers, Duke of Aosin. Raiser, Archduke of Striet. Raiser, Archduke of Striet. Farderner, Crown Prince of Denmark.	The state of the s		TOTAL CONTRACTOR CONTR
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Demi-minial letter from His Royal Highness the Prince of Walso, to His Grace the Duke of Marihamugh, Land President of the Council of Education, distrib 12th March 1888.

During the Paris Exhibition a Convention was entered into by the saveral Princes of the reigning families of Europe, whereby they agreed motally to assist the measures of Europe in presuring casts and copies of national objects for the presuring of Art. I cannot doubt that the measures in this country will derive benefit from this Convention, and will be able to make a return to foreign

countries for the advantages which they may afford. I therefore transmit to your Grace, as Lord President of the Council, copies of this Convention, and I respect that you will have the kindness to inform me whether you see my objection to the Lord President acting through the Science and Art Department in this country for the purpose of giving effect to it, so far as the United Kingdom is concerned.

Your Grace will perceive that the object contemplated by the Convention is identical with that for which an annual grant of money has been made for many years by Parliament to the Science and Art Department, and it is hoped that by the aid of this Convention for greater facilities will be obtained for the interchange of works of Art between this and other countries than have hitherto existed.

> 10, St. James' Square, March 14, 1868.

SIR,

I have had the honour to receive your Royal Highness' letter of the 19th March, informing me that a Convention had been entered into by several Primes of the reigning families of Europe, whereby they agreed mutually to assist the museums of Europe in procuring oasts and copies of national objects for the promotion of Art, and at the same time transmitting to me copies of this Convention, and enquiring if I see any objection to the Lord President acting through the Science and Art Department in this country for the purpose of giving effect to it, so far as the United Kingdom is concerned.

In raply, I beg have to inform your Royal Highness that I shall have pleasure is acting in the manner proposed, so far as the institutions under the Science and Art Department are concerned; and that when called upon I shall be ready to communicate with other authorities having charge of objects of Art in the United Kingdom, with the view of obtaining any facilities which may be required by foreign countries.

I have, &co., MARLBOROUGHL

His Royal Highness The Prince of Wales.

D

Report on the Fort Buildings at Agra, by Lieutenant H. H. Cole, R.E., dated Cawnpore, 4th August 1868.

In accordance with the instructions conveyed in Resolution No. 3135 of 150s, dated 13th June, by His Honour the Lieutenant-Governor, North-Western Provinces, I inspected the buildings in the Fert at Agra, and have the following report to make ;-

Maporta.

1. The buildings which should be pre-cively from docay are-

The Jahangir Mahal.

Diwan-t-Am-

Khus Malul. Diwan-i-Khaz. The Saman Burj.

as small masque tour the Diwan-f-Ame

Moti Musjid.

And the Capela and Chittore Gates in the Machi Blawan should be removed and built up elsewhere in the Fort.

2. The Jahangir Mahal was built by Akhar, and conside of one pavilion,
Akhar, tape-toos.

Singularly elegant in design. It is of red sandin reliaf on the stone. The interior details are all Himbs, and characterised by
that possiliar aversion to an arch which Akhar alone of all the Moslem monarchs
seems to have adopted. Jahangir chose this
building as the residence of his two Himbs wide.

the princesses of Amber (ancient name for Januar) and Marcar. And this wide.

building as the rendence of his two Hindu wives, the princeses of Amber (ancient name for Japar) and Marwar. And this evidence of kindly feeling to the Hindus lends additional interest to the building, and affords sufficient reason for its maintenance as a historical as well as an architectural monument. At present it is little better than a ruin, which climate and neith combine to make worse. The whitewash which is liberally had on in the neith court should be removed, and the whole of the existing stone-work rendered secure by iron cramps run with lead. I think that any attempt to restore the building would prove at once difficult and expensive, and that the work of maintenance should be limited to preserving the present standing parts, and no attempt made to replace the fallen stone-work which now lies beaused in the centre of the court. At present the rain finds easy access through upper windows on to the floor of the north gallery, and, percolating through the stone floor, has destroyed the coloured ceilings and produced great decay. Water cozes through the flat roof all round the central court; grass and weeks crop up everywhere; and the sweeper of a neighbouring surgenats' quarters finds the parapet of the roof overslooking the interior court a convenient asylum for all kinds of refuse.

 Clear to and on a level with the roof of the Jahangir Mahal is a very interesting Hindu pavilien in fair repair. The whitewash should be removed, and the roof strengthened with eramps and cement.

4. Close to this are some tanks, which were used to fill the baths belonging stati Jahan, 1628-1638. To Shah Jahan's palace and harem, and to supply the palace fountains. There are several pipes ther supply are carved in relief on circular discs of stone. These tanks should be kept in repair, and rendered accessible to the public.

5. The Diwan-i-Am (or audience chamber) was built by Shah Jahm, and is now used as an armoury. To sdapt it to the requirements of the latter, windows of a European pattern have been built in on the west front, and the whole of the interior whitewashed; so that little remains of its former splendour. It is, however, in good repair.

6. I now now come to the marble buildings—namely, the Klass Mahal, the Saman Burj (or harem), and the Diwan-i-Khas (or private hall of audience)—which, tegether with the Diwan-i-Am, formed Shah Jahan's palars, and were built by that Emperor in white marble, inhald with precious stones. In front of the Khas Mahal is a garden, surrounded on three sides by coloniades not so remarkable for architectural beauty as for the extreme docay into which they have fallen. The marble building consists of three pavilions overhanging the river, and, together with its terrace and fountain, are in a fair state of repair, and require only to be carefully inspected and the commencement of ruin stayed. The baths on the west adjoining buildings round the garden, near which it is dangerous to stand.

7. Some steps in front of the Khas Mahal lead by underground passages in the direction of the well on the sast of the Jahangur Mahal. These passages are blocked up now, but were no doubt used by the ladies of the harem to get to the well, which is very remarkable for the suites of apartments existing round the lattern and on a level with the water. The well and passages should be maintained.

- The Saman Burj (or private apartments of the latem) overlooks the river. The hole made by one of Lord Lake's enumon-balls in 1803 may still be seen in the marble screen on the west. The beautiful polished marble pillars and elegant arabesques of flowers, inlaid with precious stones, have suffered much through the combined influences of time and the Reitish soldier, the latter having extracted a great number of the stones, and therefore damaged the marble. As far as the safety of this building is concerned, I recommend that the pillars be strengthened with iron cramps and bands, and fallen pieces of marble renewed: 1 believe that Sir E. Leeds, the Executive Engineer, at one time recommended that the holes caused by the mischievous extraction of stones should be filled up with coment, to enable fresh damage to be discovered. I think, however, that the building would lose a great deal of its interest if this plan were adopted. It would not be so easy to form an idea as to what the inlaid work had been; and, moreover, the very fact of theft having taken place is evidence of the existence of stones sufficiently valuable to steal. These remarks upply equally to the Diwan-i-Khas, which has also been much damaged.
- 3. With reference to all the murble-inlaid work, I would recommond generally that decay be stopped as far as possible, but that the buildings should be left as much as practicable in their present state. Unless a complete work of restoration be entered into, it would be better to let the public are the buildings as they are, and to leave the softening influences of time to convey a full impression of respect for a byegune age. The inlaid work in the Diwan-i-Khas is very fise, and the building itself is in the best style of Shah Jahan's reign. The building is only accessible by a ladder from the Saman Burj; and when the tamble-down buildings of the Markii Bhawan have been removed or fallen in, those will be in communication, as now, with the Diwnesi-Am. Some means of approuch should be provided for the public, and I think the best would be a staircase from the court of the Machi Bhawan. Overlooking the river on the terrace of the Diwan-ickless is a large black marble stone, broken at one corner. This is erroneously called 'Akhar's Stone,' and the rejud inscription round the edge proves that it was for Sulem, the son of Akbar, afterwards the Emperor Jahanger; and a more recent cut inscription bears the name of Jahangir, and the numerical value of the letters testify to 1805 as the date. The stone should be mended with iron bands (not hars just into its length, as before). The west gateway of the Machi Bhawan contains some handsome brouze gates which were brought by Akbar from the Fort at Chittore. These should be removed to the Diwan-i-Am.
- 10. The marble cupels on the east of the Machi Bhawan has been partly taken down, as a measure of safety. It was a work of Shah Jahan's time, and in design is a mixture of Italian and Mohammadan styles. This cupols should be removed to some convenient position in the Fort, as an evidence of the influence of Italian art on the art of Shah Jahan's time. Some deny that the Taj Mahal was designed by an Italian, but I think that the character of this enpola goes far to prove that Shah Jahan employed Italians in the document of his buildings. On the west of the Diwan-i-Am is a small white marble missing, built on the roof of a red sambtone building. Formerly it was in communication with the Saman Burj by a screened pussage, which passed along the back of the Diwan-i-Am and over the west buildings of the Angori Bagh. This message is in very fair preservation, and should be maintained.
- 11. The last building worthy of preservation is Shah Jahan's Meti Masjid, one of the most elegant messages of his time. Its countyard is of pure white marble, from the pavement to the domes. Vegetation is commencing to destroy the latter, and some cornices in the ceiling of the message have fallen down; otherwise the building is in a good state. The best way to secure the ceiling would be to rander the roof above perfectly water-tight. The Moti Masjid cost Rs. 3,00,000, took seven years to build, and was completed in 1652.

I S

Extracts from a letter from Lieutenant H. H. Cole, R.E., Superintendent, Archwological Survey, North-Western Provinces, India, to the Under Secretary of State for India, dated London, 24th November 1869.

In accordance with the instructions centained in your letter dated 20th August, I have the honour to submit a revised estimate for the work of casting one of the Sanchi Topo gateways, for the information of His Excellency the Governor General of India in Council. These gateways are of great size and of great interest, as their claborate scalptures illustrate the history of a period which has few written records.

- 2. The services of one Corporal and two Sappers of the Royal Engineers have been placed at my disposal. These menure now learning how to take casts by means of Elastic Moulds, Piece Moulds, Clay Squeezes, Paper Moulds, and have been set to cast some pieces of Jain scalpture which embody all the usual difficulties to be met with in Indian carvings. I have also been myself mastering all the necessary practical details of these operations.
- 3. I have in this way been able to test the relative merits of the various processes as applied to the Buddhist sculpture at Sanchi, and am satisfied that the mathod of making elastic moulds with gelatine is the one which will produce the most satisfactory results, in respect of perfection of copy, as well as economy.
- 4. Piece moulding* is too laborious and expensive for so large a work; two whole rold seasons would not suffice to finish one set of moulds of the gateway.

Moulding with clayt is an imperfect method; it takes also too long and moulding with paper is not only laborious, but does not produce clear or sharp repetition.

On the other hand, the gelatine method insures a most perfect facsimile and can be executed quickly—two qualifications which in the present instance are of paramount importance; firstly, because it is necessary that copies as perfect as possible should be produced for France, Prussia, London, Dublin, and Edinburgh (we extract from correspondence below!), and secondly, on account of the extent of the work to be accomplished in a limited time during the cold season.

^{*} What can be down with going to one day takes 14 days to accomplish by piece menths. The object will; moreover, by covered with some or divisions, whilst with an shartle month the object is cost sold in one piece.

⁺ Clay expecting occupies double the time taken by greatles moulding, and produces only the

Extract from letter No. 1043, from the Officialisa Secretors to the Horozamust of India, to the Agent to the Governor General in Central India, Satul Scales, 20th June 1866.

[&]quot;5. I san to inform you that steps will be taken to obtain mats of some of the most inforesting parts of the Tope, and it is the intention of His Executorey in Council to present a set of the casts to the

Retried from despatch No. 17 of 1869, from His Excellency the Governor Greens in Consess, to Her Majorty's Secretary of State for India, dated Just March 1869.

[&]quot;It has been brought to our motion that the Committee of the Committee of the Committee in Education in Education in Education in Education in Education of the Science and Art Department; seats of certain portions of the Sarachi Teps, more Rather, in order that these could might be forwarded to the United Ringdom, —we for the Massaum at South Remaination, non-for the Massaum at Dublin, and one for the Massaum at Educators."

Extract from a letter from the Secretary, Selecter and Art Department, London, to the Under Secretary of State, India (Mer. dated 11th February 1809.

[&]quot;Mr. Cale informs Mr. Grant Broff that the Promium Ambanacios, instructed by his Department, has applied to the Department to ascertain the probable cost of time uset of the galaxiesy of the Sanishi Tope, the rest of simulate being defraged either schally by the Science and Art Department or shared with the Indian Government.

- 5. Basing my calculations on known data, I find that three men of the Boyal Engineers, sided by native modellers, will be whally organical during hext cold season in obtaining one set of gelatine months of the Sanchi gateway.
 - These moulds will not keep, and must be cast from directly they are made;
- 7. Only one cast can be taken from each model and only one set of perfect east can be produced, from which the necessiry copies will have to be cost afterwards.
- As regards the reproduction of copies, it must be remembered that five are required for Europe (France, Prussia, London, Dublin, and Edinburgh); and probably one, at least, for India. The question is therefore one of scommy. time, and certainty of execution, and it will be best in respect of these to mind the one cast or rather set of easts numbering about 50 pieces to England, and to reproduce the required number of copie in London, where contracts can be enternt into.
- Unless this were done, the reproduction would have to be delayed until the cold senses of 1870, as inoniding from fresh casts with gelatine could not be continued in the hot weather; it would also be very expensive to import from bondone to India all the plaster of Paris required for six courses, t. It must be borne in mind that plaster of Paris for easting must be of a superfine quality, and has to be imported from France or England, as no means exist in India for relining the native ground to the extent required. [I believe plaster of Paris can now be produced in India,-H. H. C., 18-7-82.]
- 10. The enclosed estimate has been framed to carry out the following pourse of nettors.
- It. The men of the Royal Engineers will necompany me to Sanchi, and Calcutta, this being a more convenient route than via Bombay on assemnt of the large quantity of materials that has to be taken, and on account of the existence of milway from Calcutta to Jubbulpare, whereas between Bombay and Jubintipore there is only railway as far as Nagjiar.
- 12. During the months of December, January, Pebruary, and March, I propose to make one perfect cast [which will consist of about 50 pieces] of the Sanchi Tope galeway.
- 13. In order to utilise the services of the men of the Royal Engineers to the full, I propose that 2 mative modellers from each of the Schools of Art of Calcutta, Madras, and Bombay he sent to aid and be instructed in the work of easting by gelatine. By this means it will probably be unnecessary to retain the services of the mon of the Royal Engineers in India, as the native modellars will be competent to execute future casts and instruct others in the process.
- 14. The one perfect series of casts having been obtained, I propose to return to England with the men of the Royal Engineers to \$2 the 50 piners of the parent I cust into their correct places, and to prepare all the necessary details for producing the number of copies from it, as well as creet one model copy.

. When the plaster of Paris Law been poured into the would, it community to harding said in the me of setting governor has which under the description and descript the story and the bounds.

At heart the trace of plants would be required. The freight on this from Lendon sections at 55 fee per ton another Edward house for rest distance and in Lendon 40 fee of 100 g ton 1000 g. The section of the freight on the 5 centered asset for a Lendon 40 fee of 100 g ton 1000 g. The section of the lendon for rest distance of the periods in the product in the lendon to the lendon of the lendo

15. The easts will first have to be hid down horizontally on the ground, as the pieces must not be joined, and cannot therefore be built up vertically, until

after the moulds for exproduction have been made.

16. As I have already pointed out, the original gateway is of great size, measures upwards of 33 feet in height, and is severed from summit to base with the most elaborate sculptures. The accuracy of all the subsequent copies will therefore depend on that of the parent " cast, and I apprehend that my responsilillity in the matter will have ended when the first series of piccos produced from the parent cast have been joined together and built up in their proper places, to serve as a type and model for the proper erection of the other copies.

17. The copy or copies for India can also be most economically produced in England, and on my return to India after the completion of the work in London,

I could see that at least one copy was properly exceted in India.

15. As the work connected with the casting of the Sanchi Tope gateway will extend into the financial year 1870-71, I have taken this apportunity of proposing that mats should be made during the cold season of that year of some of the Kutub Pillars at Delhi, and of some pillars and curvings in the palaces at Fatchpur-Sikri, which I have remon to believe will be required by the Science and Art. Department for the South Kennington Mosenm.

10. The whole of the tools at Sanchi will be available for this work, as well as mariy the whole of the genuine for making elastic numble, and any surplus

amount of plaster will also be serviceable.

20. For convenience and economy I have ordered horse for the plaster of Paris, of such sizes as to hold the casts of the gateway when ready for removal to Emgland. The cost of these boxes is somewhat high, but they have to be lined

with tin to preserve the plaster.

21. The Paninsular and Oriental Steam Navigation Company have agreed to carry the whole cargo of plaster of Paris, gelatine, tools, ste., from London to Colontia at the rate of fid do, per ton (the rate per ton by sailing vessel is about Ed 15c., by measurement 27c. per 40 cubic feet), a reduction more than of coul, percent, on their lowest rates, and they further agree to bring buck the purent east of the gateway to England at the same rate, so that, although there has not been time to send the materials of the Cape, not much, if may, additional expense will keep been occasioned by the necessity of using the overland route.

22 The question of restoring the fallow gateway of the Tope has formed the and so of some correspondence, and I believe that the matter rests as referred to in the following letter from H. Le P. Wynne, Esq., Under-Secretary to the Government

of India, to the Agent to the Governor-General in Central India :-

" No. 1257, dated filmls, July 28th, 1868.

Six.

I am directed to acknowledge the receipt of year latters marginally noted on the subject of the

restantion of the Sanchi Tope gateways.

2. In crypty, I am directed by the Vicency and Governor Graend in Council to observe that, as it is in a attemptation to despatch a special officer next sold scottler, he will have full opportunity of lovestigating the question as to the possibility of restancing the fallon gateway. That officer will accordingly be charged with this duty also on his proceeding to Sanchi.

> I have deci-(8d.) H. LEP. WYNNE.

Under Secretary to the Government of India."

23. When I inspected the Sanchi Tope gateways in April last the south and west gateways were in ruins. I think, however, it would be possible to restore them if the Berram of Bhopal sent about 30 masons and bildars to work under my

orders. [I found no time to do this during the casting, and had no fainds for the purpose.—H. H. C.]

26. In regard to the copy required by the Pressian Government, the Indian Government will determine if it shall be presented or charged for, and under any circumstances have it in their power to recover balf at beast of the total expense-circumstances have it in their power to recover balf at beast of the total expense-circumstances have it in their power to recover balf at beast of the total expense-circumstances have it in their power to recover balf at beast of the total expenses. In the total expenses of the dealing especially with foreign countries, I beg to refer to a reference to the dealing especially with foreign countries, I beg to refer to a reference of the exchanges of Convention entered into with the various Primes of Europe for the exchanges of Convention of Art which has been printed and laid before Parliament. (See this Report of Science and Art for 1867, page 24, Appendix.) I append copies of this Convention printed by the Department. (See page 31).)

Revised Estimate for the year 1869-70.

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Estimate for the year 1870-21

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F

Report by Lieutenant H. H. Cole, Superintendent, Archwological Survey, North-Western Provinces, for the year 1869-70, dated Camp Sanchi, February 1870.

In order to present a connected statement for the year 1869-70, it is necessary for me to give an outline of operations since my first connection with the Archaeological Survey.

2. On September 1st, 1868, I left Camppore with two Native draughtsmen, and marched through Murree into Kashmir, and up to the middle of November was occupied in surveying the principal ancient Kashmirian temples. Mr. Burke, photographer

of Murroe and Peshawar, accompanied me, and it gives me pleasure to state that he carried out his part of the work in a zealous and successful manner. One returning to India in November, I halted at Sinket, in order to complete the rough drawings made in the field, also to await further orders.

S. The Government of the Punjab at first wished a continuance of opera-Proposed survey is the Salt Bange, ficus in the Salt Range, where several ruins exist similar in character to those I had surveyed in Kashmir.

The Government of the North-Western Provinces, Inwever, required my services, and I left Sielled for Matter in order Survey of buildings in neighbourhood to survey some of the architectural buildings in of Mutter, N. W. P. that neighbourhood. Reaching Mattra on the 9th February 1809, I marched to Bindrabun and opened work at the ancient Hindu temple, called Munder Gobind Deeji. The Reversed Mr. Simpson, Chaplain of Mattra, had been appointed to take photographs, and by a mutual arrangement he visited my campa at Bindrahum, Dig, Governham and Patchpur Sikri, in order to take photographs of those particular portions in the buildings that would best illustrate their architecture. After Bindralam I visited the temple at Goverdhun, and the pulsees at Dig and Fatchpur Sikri in succession,—and completed 13 drawings, plans, and details of those buildings. Mr. Simpson took 58 photographs, and these illustra-Parameter of Multis series at the tions, together with descriptive notes, are being published in one volume, by order of the Segre-India Chiles. tary of State for India, at the India Office.

- 4. The Kashmir photographs and drawings (photographed) are also being published at the India Office in one volume, and this work forms the first in the series of volumes which it is proposed to publish in connection with the operations of the Archaelogical Survey. The illustrations are being produced from the original negatives in the Photographic Department of the India Museum by the "autotype process in carbon," and are therefore permanent. My drawings are also being there photographed for purposes of repetition, as well as for convenience to suit this size of the volume.
- 5. In March 1869, when at work at the palaces of Fatchpur Sikri, I received orders to hold myself in resdiness to proceed to England for the purpose Preparations for making a rear of making arrangements for easting one of the Preparations for making arrangements for easting one of the arrangement for easting one of the same of the Sanchi in Central India, and, in accordance with instructions, I precised to Sanchi in order to collect the necessary details concerning the nature and extent of the work.
- 6. On the lat of May 1869 I left Bombay, and seried in London on the 23rd of the month.

The Secretary of State for India sanctioned my engaging three suppers of the
Royal Engineers to be trained in the most recent
methods of taking casts in plaster of Paris.

The authorities at the South Kensington Museum, London, kindly pincel one of their costing workshops at my disposal, and I obtained permission to empays a Mr. Franchi to instruct the three suppers and myself in the various processes of moulding.

Mr. Franchi is frequently employed by the Kensington Museum authorities to take costs of foreign sculptures, and is one of the most expert modellers in London.

It was soon obvious to me that the method of making clastic moulds with gelatic manifest relation the most suitable for Indian sculptures. the most suitable for Indian sculptures three, in respect both of examining and rapidity of execution, and the three sappers were set to make cauta by this process of a series of Jaina sculptures that had been sent to the Misseum by Sir Bartle Frero.

I then made an estimate for easting the Eastern Gateway of the Sanchi Tope, and obtained the sanction of the Secretary of State for Imila to the purchase of the necessary materials. In addition to the gelatine process, the suppers underwent instruction in piece-moulding, clay-squeezing, and gutta-percha moulding.

I was also occupied, during my stay in London, in making fair drawings from the rough field measurements and drawings of Kashmirian and Matter buildings, and in arranging, in concert with Dr. Forbes Watson, of the India Museum, for the publication of the two series.

On the 20th October 1869 I left London, and arrived in Calcutta, accompanied by Sergeant Bullen and Corporals Heath and Jackson, of the Royal Engineers, on the 26th

November.

I remained in Calcutta until all the SS boxes, containing 25 tons of material, bad left Hownih for Jubbulpure; and on the 18th December I arrived at the latter

place, and commenced transferring the boxes into country carts.

It was found that upwards of sixty earts would be required, and I was delayed until the 20th December at Jublinipore mutil all had been precured. I then proceeded to murch to Sanchi, reaching Danish on the 24th December, Sagar on the 29th December, and Sanchi on the 7th January 1870. Here I found that the Cauter murch is at Sanchi. Begun of Bhopal had sent a Tahsildar to assist

Castley speratures at Smath. Begum of Bhopal had sent a Tabelldar to assist in procuring coolins, scaffolding, &c., and already a quantity of lumbous, rope, and other requisite material had been collected at the

wallage.

The tope is situated on a sandstone hill, some few hundred feet above Sanchi; and as there existed no cart read to the top. I had to engage a number of cooling to carry up the material. The carts containing the plaster of Paris, &c., arrived on the 19th January, and from this date until the 17th Corporal Jackson was engaged in having the boxes moved up the hill, whilst Sergeant Bullen and Corporal Heath, assisted by seven mative modellers and two mistries, erected a scaffold round the Eastern * Gate of the Tope, and commenced cleaning the carvel stone work which had been incrusted with vegetation.

The working tents were pitched close to the gate, and the boxes arranged in Cesting operations at Sanchi. Them as they cause up the hill. On the 10th January the first cast had been made, and the work continued successfully from that date until February the 7th, when I estimated that, out of 737 square feet of carried work to be cast in order to preduce a perfect copy of the gate, 477 square feet had been cast, leaving 200 square feet to be done. I also enfoulated that the average daily work of the whole party of sappers and modellers would be fairly represented by 18 square feet of casting in planter of Paris.

The whole cast consists of 112 pieces, and the last pieces was completed on the

^{*} The restern gateway, although in some requests how perfect then the mothern, appeared to use to be the best to set. The methern gate has a greater number of detached figitive and amounts on the superstructure, but the servings on the persons are tree sharp than the corresponding tone on the sustern gate. Again, the invitaire gate has a "less forward," and is about one tost out of the personal colors at the true provided with strong chains to expect the sinus-work, it was more product to would realong any available by a lecting to cast the more secure of the two gates.

The pieces composing the "parent" cast now have to be carefully packed for removal to England, and on arrival will be fitted together, previous to any steps for reproducing the requisite number of copies of the gateway. When the first perfect

set of pieces have been reproduced, they will be Large sized photographs of the custs. built up to represent the original gaterray to serve as a type for other copies, and I propose to have large-sixed photographs taken of each piece of the cast to accompany the detail drawings of the other carved gate-

ways round the Sanchi Tope.

The chief difficulty throughout the work was to make all the gelatine moulds before the weather became too hot. A dry atmosphere is more favournile than a damp one, and therefore a great difference in the dry and wet halb thermometer realings renders a high temperature less powerful to affect the gelatine; but it may be roughly stated that without 12 hours with the thermometer below 80" the gelatine fails to obtain that elastic consistency which is so essential to the predisstion of a good mould,

In order, therefore, to run a successful race with the daily increasing heat, it was necessary for each modeller to work his hardest; and I have pleasure in the special favourable mention of Sergeant Bullen, Corporals Jackson and Heath, w.s., who throughout the work displayed untiving energy; also, in stating that the undermentioned native modellars worked well-S. Burnald and Puneswamy, from the Madras School of Industrial Art; Nobin Chander Mukorji, Benomali Pal, Khadis ram Das, from the Calcutta School of Art; and Güder, medeller from Agra.

7. During the easting operations Thakar Dass and Habibida, the draughtsmen who necompanied me to Kashanir and Muttra, was completed in making detail drawings of the ruined southern a

Drawlings of soniptures of two fallen galeways of the Topo.

and western gateways of the Tope. I propose to obtain permission to have there drawings published at the India Office to form Volume 3 of the Archaelogical Series. These were

used by Mr. Fergusson in his " Tree and Scrpent Worship,"-H. H. C. T. The casting operations excited a great deal of interest among the natives round Bhopst and Bhilse, and every day I received visits from large parties of natives requesting permission to look at the finished casts, which were drying in tents.

The expediency of restoring rained buildings and keeping them in requir has engaged the attention of Government at

Restoration and conservation of ruins. various times.

In the majority of cases it would, perhaps, he more suitable to attend to maintenance rather than to undertake complete restoration. At first I was of opinion that the fallen gates of the Sanchi T pe could be restored (i.e. during the custing operations, but I had neither time nor funds -II. II. C.), but on more careful tovestigation I not only find that such a restoration would be very expensive on account of the great masses of stone composing the gute, but also extremely difficult, us in both guteways the piers, which would have to support the whole superstruct ture, were found on excavation to be split down their outire lengths and otherwise bruken. The most to be done at Sanchi without going to great expense would be to conserve the carvings intact, and to prevent mischingons chipping off of leads of stone figures and animals. Steps should also, I think, be taken by the Begnon to prevent the two standing gateways from folling, and to do snything resonable that may tend to the conservation of the wonderful remains on the Sanchi hill.

Lo regard to this preservation or restoration of the buildings around Mutting the Hindu temple at Bindmbun, known as Mandir Golded Doop, would require a complete restors-Restorations and conservation of tion of the superstructure. Such a work from its buildings in the Mutter mighbourhood. size would entail very great expense. [This has since been restored by Mr. HeuthH. H. Cij An amalgamated list of architectural structures in the North-Western Provinces was prepared from lists furnished by Commissioners of Divisions in lasts, and this temple was thus noticed :--

The reason little for the state of the building as hour as their fees come in regularly. Suggests that the Rep. of Jaiper, who is a descendant, he requested to grant funds for us repair, as repair is himmeld."

His Hansur the Lieuteaant-Governor of the North-Western Provinces remarks marginally that " Government ought to keep this in repair."

I was informed at Bindraham timt a drawing of the original form of the temple might be found on the walls of the Fort at Japur II have had a tracing made of the freeco which is in the Amber Palace, Jaipur .- H. H. C.] : thus, a roof like the prignal can be restored. The interior of the temple requires a great deal of polty repair, and I think that the Mahunt Goshams should be urged to preserve it.

The temple at Goverdhan, called Mandir Hardeoji, also requires much repair; the roof is very monte, and the superstructure of the scontinuty was distroyed by Aurungzah. A note in the Amalgamated List of Buildings in the North-Western Provinces states-"About twenty years ago Rajah Bulwant Singh of Bhortpur had it repaired, and the present Rajah, Juswant Singh, intends doing so now."

The Palaces at Dig are in very excellent repair, and are frequently inhabited. by the Raja of Bhurtpur and English visitors.

At Fatelepur-Sikri it appears that a portion of the Durgah Fund is at the disposal of the Collector of Agra, and that argent repairs are executed in buildings that are occupied.

Althor's office is in use as a disk hangalow, and the Birbal Palace and the house of Miriam, one of Akbar's wives, are occasionally occupied by Europeans, hope that a proper dak bungalow will be built and so release these buildings, the require of which are new anctioned .- H. H. C.)

Shaikh Salim Chisti's tomb is in good preservation, and the only buildings that appeared (during my stay at Patchput Sikri) to require conservation were the apartments used by the Saltana and the Khas Mobal.

The moves of the roofs in both should be removed to protect the stone-work from the rain, as well as to take away the air of negbet that hange over them buildings.

The ancient temples in Kashmir are mostly in a ruineus exadition. The Malaraja should, however, do amethice to pro-Conservation of Kushniz temples, serve these interesting mins. The enclosine and temple of Martiand should be kept free from jumple, and it would be no great expense to cover the new open roof of the temple with a thatch so as to preserve what is left of the interior carvings.

The timk round the temple at Pandiethan should be chared of reeds, and the stone roof repaired in order to preserve the beautiful carved stone colling in the interior.

The enclosure and the temple at Blumiyur appear to receive some cars, and, being the most perfect of their kind in Kasharir, cloude not be allowed to fall rate a worse condition than the present. At Avantique it would be uncless to attempt any repair or restoration. At the other temples at Paynels, Pathan Wangat and Srinagar, the jungle should be prevented from choking up the cums and cleared, so as to allow of close inspection.

Note on the Industrial Arts in India, dated May 1879.

I. Although influences have been long active tending to deteriorate the original character of Indian arnament, no great attention has been drawn to the subject until within the last few years.

2. Changes have been wrought so gradually that they have received little notice from those whose daily occupations have been to minister to the more argent and practical wants of this country. It is only by comparing the manufactures of 30 or 40 years ago with those of to-day that a full estimate can be formed

of the larm that has been done.

3. Owen Jones, Sir Digby Wyntt, Redgrave, Labke, Langles, Dr. Royle, Taylor, Forbes Watson, and Birdwood have at various times drawn attention to the peculiar merits of indigenous Indian orunnent as applied to works of utility; but the first commutanted effort to bring together the facts of the subject as at present known was made when, in 1874, the task of campiling a descriptive catalogue of the Indian objects calcibited in the South Kensington Museum fell upon my-lf.

4. The opportunity I then had of examining both the collections there and at the Indian Museum served to strengthen and stimulate the interest

I have always taken in the general subject of Indian architecture and art.

5. As Archeological Surveyor in the North-Western Provinces from 1865 to 1870, my observations were mostly directed to old temples and buildings in Kushmir, at Agra, Delhi, and at Sanchi in Central Ludia; but architecture is the parent of industrial ornament, and the latter is often to be valued not alons for its intrinsis beauty, but for the interest it possesses in a recognisable architectural origin.

The collections of Indian art at the Indian Museum and at South Kensington are the results of various Exhibitions hold in Lendon and abroad-Many of the best specimens of modern art industries that have been collected in this country for the international gatherings of 1851, 1855, 1865, 1867, 1870.74

and 1878, have eventually been secured for one or other of these justitutions.

7. From those it is curious to trace that gradual introduction of European forms of ernament which have not ceased to unport a debasing and impare character to the ornament and colouring employed in the industrial arts. This degradation has of late, and specially since the last Exhibition at Paris, excited much comment; but if the corruption of Indian art by the uncontrolled mixture of styles meets with no approval in Europe, how much more should dissatisfaction and disapproval be felt among those who are in the country, and in whose limits has the power of rendering help?

If the dalasement appears in the collections at home, it certainly is much

more apparent in the objects daily produced and sold to us in this country;

S. I know of no example so deplorable as the present condition of Aligarh pottery. In former days this industry was noted for graculal well-modelled shapes. To-day it is detectable for its worthless imitation of English jugs covered with vine leaves. I quote this case of Aligarh pottery, as collections are displayed for sale at the railway station at Aligarh, and always excite in the feelings of regret at what I consider to be an investey completely raised.

9. There are, however, many examples of handieraft more or less defended by our Western fastes and styles—some so much as to slaurage the demand for these

It is often difficult to tell pieces of Dolla from unique Birmingham fourthery. The kuft metal work of Gujrat and Sinkol loses its flavour in the applicating

to inkertands, picture frames and small objects, instead of to shields and arms. Carpets are now often woron on designs furnished by tastoless English dealers; embroideries are applied to English instead of Indian fabries; and the patterns in Kashmir shawls are no longer the so splendid specimens of pure Indian colouring and outline that has made them famous in years gone by.

10. The importance of helping Indian industries to recover their old characteristics should. I think, be considered in connection not only with the value from an educational point of view, but with the view to a direct benefit which may

arnee to the craftsmen themselves, and ultimately to Government.

11. The love of decorative art is very much on the increase in Europe, and is diffusing itself all over England. People formerly centent to accept anything from India as a mere "curiosity," are now more discriminating as to purity of style. They know something of Hindu forms and mythology, and of the exigencies of the Mussalman creed forbidding the imitation of human or animal shapes. A demand may not instantly result from such growing knowledge, but in tracing the possible future of Indian arts the mates and knowledge of pateens and buyers are worthy of consideration.

12. Museums and Art schools have been established in this country, but not with any very precise aims as regards Native act. [The schools want ample means and special opportunities for studying Indian arts.—H. H. C., 15-7-52.] To render them of use they should be accessable and attractive to Natives, and walk

stored with objects of the last imligenous art.

13. Instruction in European styles confuses the Native student, and unfits him for the development and advancement of his own craft. With the less wish to adopt our forms, he falls, for want of sympathy and understanding. He reverts, however, with resdiness to his own tenditional ornament.

14. To bring this back to him requires ample illustrative material, in the collection of which lies the mainspring of the power of Government to reader assistance. Give a clever workman a good Native pattern, and he works willingly and with success; but he is incapable of correctly interpreting European forms.

15. The varieties of ornamental manufactures in India are numerous; some alive, some dying, some dead, and some perverted. To revive and preserve can, I think, he less accomplished by taking stock of the best ancient and modern work and making it easy of reference to Natives.

16. I believe that a series of illustrations collected from the best types would not be very difficult or costly to produce. The sources from which they could be

obtained are-

(a) prehitectural flat and carved ornament; (b) ancient works of industrial act; and

(c) from existing illustrations of varieties of Indian art in English and foreign books on the subject.

17. The drawing published in single plates could be purchased by Natives, or in some cases distributed free of cost; schools of art and museums abould have on view and for sale a complete set.

15. I believe that a simple process of giving illustrations will accomplish much good, and after it proves itself to be successful the scope of museums and schools of art may be extended.

19. As an example of where good patterns seem to be wanted, I may mention the case of pottery made at Multan. Two Natives know the secret of making the two shades of blue, by means of which they produce beautiful effects in the limited sphere of their traditional faliation. They apply this with great success to plates, tiles for mosques, vases, &c., but they have not access to the thousand grintics of ornamental outline existing in the enrichments of old Hindu and

Muliammaslan buildings. They also want more knowledge of the old pottery shapes which Italia can supply from its three corners. Encouragement would extend this industry, which does not confine itself to Multan, but is still alive in Sind.

- 20. There exist throughout India many thousand craftsmen able to produce admirable saleable works in textiles, pottery, metal, wood and stone; and I cannot but think that it would be more profitable to encourage these people in industrial pursuats rather than they should be left to labour in the fields.
- 21. To keep up the interest among workpeeple who still produce good manufactures, the establishment throughout India of an industrial order of merit, say a medal or certificate, would be of great good. It would be necessary to show man in the award of such recognitions; but there are many civil and military officers possessed of good taste from whom local indiging committees could be formed. The labour to them would alone be a relief in the dull monotony of official work, and would excite an interest, not only in India, but amongst their friends in England.
- 22. To collect the necessary materials for producing illustrations of the best known ancient and modern art industries will require the co-operation of Local Governments and Administrations; but with such assistance, and with a small grant from imperial funds, a staff of clever Native craftsmen may be organised to carry out the work.*

H

Report from Captain H. H. Cole, R.E., on Special Duty, to the Secretary to the Government of India, Public Works Department, dated Simla, 10th May 1880.

I have the honour to acknowledge your letter No. 126B., dated the 20th ultime, requesting me to submit a report on the subject of a definite scheme for carrying out the conservation of monuments of artistic and historical interest.

2. In the memorandum which I beg have to annex to this report I have appeals II. pointed out that, for special repairs, preservation and illustrations, it will probably be necessary to create

Divisions similar to that in the North-Western Provinces for-

- (1) Bengal.
- (2) The Punjab.
- (3) The Central Provinces, Rajputana, and Central India.
- (4) Bombay and Hyderabad.
- (5) Madens and Mysore.

It may be found on investigation that some Divisions should not be limited to a Presidency or Province. For instance, it may be held convenient that Gwalior should be placed under the Archeological Division in the North-Western Provinces.

I have recently inspected the architectural and historical monuncuts to be found in and around Labore and Dolhi, and hold the strong opinion that, if the

^{*} Place drawn up a list of some Indian industries of which I have more being.

buildings at those much visited and populous places be resound from the adverse aircumstances and neglect which prevail to such a large extent, very valuable and preditable work will be the result.

Besides Labore and Delhi, there are many other places in the Punjab basing interesting and valuable menuments, most of which are mentioned in the official list published in 1875; but I would suggest that Major-General Cumungham, a.e., should be asked to furnish the names of any objects of archaeological interest in the Province which he considers call for special care or preservation.

There is enough work at Lahore and Delhi alone to justify the establishment of a separate Architectural Division for the Punjah.

Valenthe outlying manuments can be taken upgrabully as funds are provided; but I fiel that it is ascessary to begin at the important centres, being convinced from what I have lately seen that architectural manuments have suffered, and are suffering, more from the nota for which Government is responsible than from the natural decay and rum produced by rum or vegetation in the jungle and deserted places.

These during the present year to be able to investigate some of the most remarkable buildings in Bengal, the Central Provinces, Rajputates, and Central India, as well as in the Boullay and Matras Presidencies, with the view of submitting

definite propusuls.

The Agent to the Governor General in Central India has recently recommonded that the regetation round the famous Buddhist Tope at Sanchi be cleared and the fallon gaterays re-ercord, and Mr. Bernard has invited my opinion. I not only think Major Prideans' a proposal to clear away the jungle an exceedingly good one, but hold that the atting up of the fallon gates is one of the first and most important works in a scheme of conservation of valuable antiquities and works of art in India. When engaged in making a cast of the enstern gateway in 1879, I had exceed drawings made of the fragments of the fallon scath and western gateways; also of the small gateway near the large tope; and these have been published in Mr. Fergusson's book on Tree and Serpont Worship. (See page 111, plates VII and VIII) page 116, plate XV; and page 119, plates XVIII, XIX, and XXI.)

From these esstored drawings (most of the pieces of stone carvings are on the ground) it will be seen that some of the stone-work is missing, and would have to be supplied in plain blocks in order that the structures may be built up scorrely.

I am at present able to speak particularly only of Labore and Delhi, and of what Mr. Heath (the Executive Engineer of the Archeological Division in the North-Western Provinces) has done at Agra and the neighbourhood.

Of the latter work I submit a separate report. The results are satisfactory in the highest degree, and must be most gratifying to their author, Sir John Strackey. The work instituted by him in the North-Western Provinces shows convincingly how barbarons it is to mithhold similar measures for preservation from other parts of Ludia.

3. Without entering into a lengthy description of buildings which are well known and have often been described by Major-General Canaingham, s.m., Mr. Fergusson and others, I merely here note the condition in which I found some of them during my late visit, and state what I think necessary to prevent further decay or maltreatment, and what in certain cases should be done towards complete resovation or restoration.

4. Buildings at Lahore.—The first building that I visited at Lahors is an old gateway, called the "Charlerji," which is 14 miles off on the Multan read. It was the principal subtrace to a garden, which no longer exists, and which was built by Zelan Nishan, daughter of Alamgir, in 1641 A.D.

This gateway is square in plan, and had four minarcts, three of which remain.

The material is brick, laid in time mortar and faced with beautiful coloured tiles; out in ornamental shapes and litted, one to the other, like message work.

The colours are unusually numerous—yellow, green, brick-red, dark-blue, light-blue, gold colour, orange—arranged in foliated patterns in spandrels, panels, soffine, and borders.

One corner of the gateway has completely fallen. Plans and elevations will be made, to show exactly what the present condition is. The tile-work is so beautiful, that I think the progress of decay and ruin should be stopped by securing the existing veneer and by propping up and strengthening the weak portions of the masonry. The fallen debris should be cleared away, and the place cleaned up and surrounded by a stone miling. The cost of these measures will be estimated when the plans are completed.

The Shahlimar Gardens,—The Shahlimar Gardens, about t miles from
Linhore on the Amritsar road, were laid out in
1637 A.D. by order of the Emperor Shahjaltan.

They are extensive and surrounded by a fine wall and massivey galeways. The gurdens, although sometimes called the "Vacsailles of the Punjab," are indifferently kept up, and the canals of water and fountains require cleaning out and repairing. The barndaris and knosques in the centre were looted by Ranjit Siegh of their marbles, and have been bally restored; and the brick-work laid on edge in fanciful patterns on the terraces and walks should be put in good order. At one corner of the enclosure is a hamman—at present dirty and neglected; but there are some linely painted wooden doorways between the various bath-rooms, which should be taken care of and protected by a hard colourless varnish, such as is used to preserve old oil-paintings.

Painted wooden decorations of Shah Jahan's time are not very common, as so much has been destroyed in his buildings. It is therefore all the more satisfactory to come across specimens which are not past preservation. The central haralari has coloured walls of arabesques painted in fresco, and some righly painted wooden collings. To present damage, measures should be taken by some one specially engaged for his acquaintance with processes for reviving and preserving aid painted work. Plans are in course of preparation of this garden and its buildings which will permit of an estimate being franced for keeping up the place and what remains of its decorative works.

Golabi Bagh.—On the road to the Shahlimar Gurdens and about half-way is a gateway which formed the autrance to the Golabi Bagh. The gurden has disappeared, but this building, at present occupied by the police, is a fine specimen of coloured the work (or " kushi," as it is called), and is worth preserving from the rum which is rapidly overtaking it. Drawings are in course of preparation showing its existing state, and from which the estimate for preserving the building can be framed. It will, in my opinion, be merely necessary to secure the present veneer of tile-work, and to strengthen the existing masoury and make the roof proof against rain. The building should be cleared and fenced round with a good stone tailing.

Begumpura.—Beyond the Golabi Bayk and off the read to the left in the Shahlimar direction is a small building at a place called Begumpura, where the tile-work is very

fine, and worthy of the same kind of protection recommended for the Galabi Bogs gate. Drawings will be made.

Shahdara. - Shahdara is on the north bank of the Ravi, and about 2 miles from Labore by the State Railway. Here are-

(1) the tomb of Jahangir, with enclosure and Timb of Jahnnely at Stabilina. garden:

- (2) a sarai;
- (3) the tomb and enclosure of Asuf Khan and that of Nur Jahan.

The whole place, excepting the actual temb of Jahangir, is utterly neglected and uncared for. Bahadur Shah, Ahmad Shah and Banjit Singh carried off many of the marbles, and the occupation by the British troops after the Sikh war samed great damage. There exists, however, an evil which has caused, and is still assuing, unceasing and ernel destruction. Between the tombs of Jahangir and Asuf Khan is the sami, which has been converted into an engine-yard and manofacturing depot of the State Railway. Holes have been knocked in the walls, the grounds broken up, and the various gateways occupied by the milway comployee and their families! As I have said, the manuscleam of Jahangir is the only building at all eared for. It is in the centre of a large squarewallist enclosure, and was built by Nur Jahan in 1628 A.D. It now consists of a raised terrace with lafty minarets at the four corners. Helow the terrace is an open colonnade, which surrounds the tomb of the Emperor. The inlaid marble-work and painted decorations are very beautiful and well worth protection and renovation.

Before Ranjit Singh's time there existed a marble pavillon on the terrace, but the materials were removed by him to build the baradari in the Hazari Bagh in Labore. My own impression from the style of this baradari is that it was removed bedily from Shahdara. If this is assertamed on careful investigation to be the case (and tolerably trustworthy evidence could be obtained by measurements and inquiry), I think the building ought to be restored to its former position. Along the walls of the open colonnade round the tomb is a Dado of beautiful tile-work, now invisible on account of coats of whitewash : this whitewash should be enrefully removed.

Plans of the Shahdara enclosures and tomb are in course of preparation. The garden round Jahanger's tomb is a mere waste, and part of it is let out for ordinary cultivation. Some of the gateways have fallen to rain, and should be, as far as

As an essential part of the whole conception, I am strongly of opinion that the grounds should be put in thorough good order without any expensive horticulture, and that the encroachments made by the Rayi at the south corner should be restrained.

It is difficult to roughly guess at the probable cost of putting the grounds and buildings in repair; but I hear that orders have issued for the railway to move their shops and to leave the place, so that the cost of this would not be debitable to the

Badshahi Masjid -The Jama Masjid, or Badshahi Masjid, near the feet, was built by Aumoguib in 1674 A. D., and is in Jama Marjid. a fair state, having, through the exertion of Major Parry Nisbet, when Deputy Commissioner of Lahore, been repainted inside and generally repaired. The funds were subscribed by the Muhammadans of the city. Requirs to the colonnade of the building require to be completed. In front of this

masjid is the Huzuri Bagh, in the centre of which stands a muchle pavilian with some beautifully painted ceilings, composed, if not wholly, of part of the materials of the cap la which formerly surmounted Jahangir's tomb at Shahdara. As I have already stated, I think the capola should, if possible, be restored to its original position.

The Roshnai Gate,—The Roshnai Galeway, near the Huzuri Bagh, has been builty restored, and is an example of the damage done when work of this kind is left to unqualified

and unsympathetic hands.

Ranjit Sing's Tomb—Is in fair preservation, but it has some fine doorways of curved wood, which require cleaning and preserving. Sir Donald Macked had the interior columns strengthened with iron clamps.

These buildings (i.e., the Jama Masjid, the Roshnai Gateway, and Raujit Sing's Times; call for no special treatment, but should be in charge of the Executive Engineer of the Punjab Architectural Division.

Wazir Khan's Mosque.—The Marque of Wazir Khan, built in 1635 A.D., in the centre of the city, is a magnificent specimen of Wazir Khan's Mosque.

tile decoration. It is itself a perfect grammar of coloured ornament, and is one of the most valuable are itsetural monuments in Labore. It formishes nearly as much subject and matter for the student of decorative art as the Albambra itself, and a volume rivalling Owen Jones' work could be produced. As I have elsewhere stated, the illustration of architectural matter, such as this building processes profusely, will do more to revive and encourage the scranic art of India than anything I know of. The mesque and its enclosing walls and buildings are built of brick, veneured over with tiles cut and laid like mossic work. Being in the heart of the dusty city, it is sadly in want of cleaning and repair. Plans and drawings are being made, but any necessary funds bail out in prolonging the existence of this beautiful building would be well worth spending.

I also strongly recommend the sanction of Rs. 5,000 for the production of a set of detailed illustrations of coloured tile-work in Indian buildings based on this masque and for repeating 250 sets by chromo-lith graphy.

Lahore Fort, -There is a great deal of interesting architecture to be seen in the fort, if one could only get at it. On entering the outer gate, the wall of the fort unil palses Palaco buildings in the Labour Fort. is to be seen covered with designs in infaid enamelled tiles possible for the representation of human figures, animals, and signs of the zedme. The whole of this should be preserved and made as secure as possible against rain. On the 10th of April, when I first went to examine the buildings, I found myself stepped at the entrance to the Shirk Muhal and Samun Bary by a sentry, because more promoters from Kalmi were confined in these buildings. The fine old pillared Disserted in and throne-resum is in use as a common barrack room filled with men's beds and kit, and the rooms at the back of the throne used for dining in. The walls and ceilings of the latter were once finely painted, and these, tegether with the marble throne and cupola, are not likely under present encountings to meet with very tender treatment. The building is also much spellt by being enclosed all round, instead of being, as originally and like all buildings of its class, an open payilion.

Khwabgah.—The Khwabgah of Shah Jahan, of marble and lattice-work, is in me as a garrison chapel—from its traditions about as unsuitable a place for Christian worship as could be selected. The building is enclosed on all sides by ugby wadded purdahs, and a new and utterly unsuitable modern timber roof has been added. The font is at a place which Shah Jahan would most likely have selected for his couch to eateh the air through the marble lattice.

Moti Masjid.—The Moti Masjid of the Palace, a small and beautiful building of white marble, is now blocked up, and otherwise adapted to the purpose of a treasury. It was therefore quote impossible to examine the building closely. The kanssom between this and the Dimen-i-Am is used as a hospital.

The remains of some of Johangie's buildings are used as the Sorgeant-Major's quarters. And some domed buildings belonging to the palace with printed coilings (one of which a year ago larely escaped the departmental whitewash brash) are in use as officers' quarters. The only buildings not in present use are the descary, which is a sort of museum of old weapons, the Shirk Makal and the Nanlaka, a message marble pavilion of Aurangzih, much out of repair. The latter should be restored and thoroughly renovated.

The Shish Mahal.—The painted ceilings and walls of this building were renovated at the time of the Prince's visit, but it is not difficult to see the difference between the new and old work.

Careful plans and drawings of all the buildings in the fort are being made, and will be submitted, for prolonging their existence as works of art and for perminating their incongruens relations with the military authorities. I would recommend that all the buildings of interest be, as for as possible, restored and fenced in, so as to keep them separate from the barrack buildings, and that they be kept up solely as show places and as the only means of perpetuating some of the most beautiful and interesting specimens of Labore Imperial Megal art, When it is considered what an outery would be made at a proposal to ensyert \$t_i^2\$. Just a Pulsee into an underground railway station, or Hompton Court into a barrack, I think that there exist fair grounds at Labore for putting an end to the present discreditable state of things at the Fact and Shahdara, and for some mechanics as I here put forward in regard to other calcubic limidings.

Bulldings at Delbi. The Port and Palace building. The Fort and Palace buildings at Delhi.

As in the case of the Fort buildings at Lafters, those at Delhi are almost all in military occupation.

The Diwan-i-Am.—The great pillared Deman-i-Am, with its fine marble missic campy and throne, is used as a cantesn, and on the right of the throne is a bar for serving out liquor! To the left of the throne is an enclosure of bambers stream-work in which Nubbi Bax keeps a schiers' coffesshop! Above and at the back of the throne is a small open apartment, the walls of which are faced with the calchested black maride messic work; but this work, as well as the inlaid patterns on the throne, have been villamently repaired in coloured plaster, and the arrangement of the panels is not as formerly. Some of these panels were removed by Sir John Jones at the time of the Mutiny, and are at the India Office Museum in London. They might be brought to this country and placed in their original position. The door at the lack of this room has been ingeniously filled up with from bars, through which the interesting process of sodawater manufacture can be watched and beand. The whole building should be cleared, kept clean and repaired.

The Diwan-i-Khas.—This beautiful pavilion is not in military occupation, but it has been disgracefully treated. To prepare for a hall given in isonour of the Prince of Walos, the moulded fratwork of the wooden colling in the centre of the building was repainted in black, red and gold treatest of white and gold, the original colours, and the central rose was converted into a sort of starved star-fish? The effect, it is needless to say, it harsh and glaring. Fortunately the outer coloured has the design of its ceiling infact, and from it the original colours and pattern can be restored in the ceiling of the centre hall. There is a great deal or

Is notiful painted work to restore at Delhi, and it will be necessary to engage a properly qualified restorer of paintings to do the work. The not of the Diwans-Khas is in an upsafe combition, and the proposal to renew it with iron beams seems to me to be right, provided the old eating below is left undisturbed; and this can only be done by leaving the present wooden beams to which the old calling is secured, and by inserting the ten joints from the top of the roof.

The painted work in the ceiling of the outer colounade should be simply repaired and left as nearly as possible as it is now in time and pattern, but rendered durable by means of transparent variables or other remedies familiar to the expert in painting restoration.

In order to examine the beams of the roof, the coiling was pulled down in several places (instead of opening up the roof from above); and in replacing the moulded fret pattern, small half-moulded sticks were serewed up, and the serewheads may be still seen!

The descritions of this building are perhaps the first of any done under Shah Jahan, and, if I may express the opinion, no expense or care should be spared to prolong their existence. The marble floor of the building seems in fair order; the Dade of mosaic wants repair, many stones having been picked out and the holes in some places filled with coloured plaster. The beautiful, gibbed arabesques on the upper part of the marble pillars should be carefully restored where this weather has washed off the pattern, and the roof must be made perfectly watertight.

Khwabgah, Baitak, and Saman Burj.—The murble buildings on the vight of the Divis.—Kine comprise the Khwibyah, Baitak, and Samas Harj, and are filled with beautiful murble traceries and painted ceilings and walls; but in the outer verandah some of the decoration has become weather-heaten. The marble mosaic Dado round the rooms is a good deal damaged and requires repairs. The painted ceiling in the small kiesque which projects towards the river is damaged, and the railing which formerly went round the front is wanting.

The two small rooms towards the Discussi-Khas have been plastered and whitewashed, thus hiding a painted and gift wall. The red sandstone columns between them were changing over in 1878.

The Hammain.—The Hammass buildings on the left of the Distan-i-Khat have build their pointed cellings whitewashed over. The floors and baths are inlaid with stones, and require much repair and renovation.

As in the case of the buildings on the right of the Divan-i-Khar, the sandstone columns which face that building are plastered over.

The Moti Masjid.—The Moti Massid, close to the Diesa-i-Khat, is in fair condition, but perty repairs are necessary to put the marble floor and inlaid work in order.

The Haiyat Baksh.—When bid out by Shah Jahan the fort buildings were all connected by covered columnates, and there were several gardens, one of which, the Buryat Barish, has disappeared; but the bath in the contre and two maride pavillans still remain. These latter have had their murble messic Dados white-washed; one building is used for serving out ment rations, and the other as a gymnasium !

The Rang Mahal.—The Rang Mahel, or painted palace, is now whitewashed, re-roofed, and partitioned off to suit the requirements of a mass-house!

Many other buildings in the forture put to improper uses; and I think there can be no two opinions on the necessary for keeping all the interesting and

building.

described parts of Shah Jahan's palace as much as possible as they were, and only for the gratilleation and edification of European and Native visitors.

In would be easy to fonce them all in one enclosure; and after they are repaired and renovated, and the troops are accommodated in other and more suitable buildings, the whole should be handed over to the enstedy of the local civil authorities to keep clean and properly cared for.

Plans are being made and estimates are in course of preparation for doing all that is necessary, without including the cost of creeting suitable buildings for military purposes elsewhere in the fort.

Jame Masjid. The Jama Masjid.—The Jama Masjid is kept repaired by Muhammadans and by occasional gifts. It is in very good order, but wants to be kept cleaner.

The "Minniah," or pulpit, of white murble, wants repairing.

Zinath-nl-Masjid.—The Zinath-nl-Masjid is a fine mosque, built in 1710

A.D. by Zinath-nl-Nisan, daughter of Aurangeib.

It was used a few years ago as a Commissariat bakery; but this has been removed. Whitewash was liberally applied when artillerymen were quartered in the building during the mutiny, and the whole place is now thoroughly neglected; the toof leaks, and the red sandstone beams below use decaying in consequence. The building is in Delhi, in what is called Dayyarunge, and should be put in good order. Plans are preparing for an estimate.

Buildings at the Kutub.—The Kutub Minar is in good order generally, but

Buildings at the Kutub.

Charles of Account Dobb, political by
the Arusald Society in 1872)

Buildings at the Kutub.—The Kutub Minar is in good order generally, but
some of the curved stones work in the lower band
is fulling away through crashing. This should
be made socure, and the carved work, which has
the cleaned.

The whole of the rains about the Minar, such as the Masjid-i-Kuteh-nl-felam, Kutuh-nd-dia's arches, Shams-nd-dia's arches and Ala-nd-dia's gute, Shams-nd-dia's trade, See, should be charred of fallen atone, the curved portions collected and, if possible, replaced from whose they fell; other debris of no interest should be removed. Columns and walls should be rendered secure, and roofs made water-tight. The whole area should be confosed with a substantial atone railing to keep away entile, which now defile the place; and the grounds should be kept up, and good paths made to all the interesting monuments in the vicinity. A plan is in course of being made which will show what I propose, and from which an estimate can be framed.

Imam Zamin.—The tomb of Imam Zamin, which is surrounded with red samistone screenwork, is much covered with whitewash, which is a great disligurement.

Jamali Kamali.—The temb of Maulei Jamali Kamali, 1535 A.D., near the

Metcalle House at the Kalab, is the remains of a
most beautiful building; it stands in an enclosure new overgrown with jungle. The floor of the building is of white murble,
and round the walks is a Dado of partly whitewashed tiles. The apper walls are beautifully inlaid with colored tile-work, and the ceiling is ornamented with incised
and advoced plaster ambesques. The exterior is in great disrepair, and many of the
coloured tiles which once adorned it have been removed. The whole place should
be cleaned up, and the temb put in a good state of repair. It is not possible
to refere and amovate the tile-work, but a good deal can be done to preserve the

Masjid of Fazalullah. - The Marjid of Fazalullah, 1525 A.D., near Jamal Karadi, is a massive atom building of considerable beauty. The enclosure is overgrown with Masjid of Pamintals. jungle, and the mosque itself is fifthy and used by cattle. The place should be eleared and put in a state of complete cleanliness and repair. A plan and estimate are bring made.

Adam Khan's Tomb .- Adam Khan's Tomb, near Mahemii, date 1572 A.D., calls for no special treatment, but the mot is threatened with regotation and should be repaired and made Admin Khance Tomb. secure; the ground about the tomb should also be cleared of debris.

Humayun's Tomb: Humayun's Tomb, 1565 A.D. The tomb itself is in a fair state of repair, but the terrain on which it stands has lost more than half its stone railing, and the Humayan's Tomb. arches supporting the terrace stand in need of require

much of the marble inlay is defaced.

The end sure in which the tomb stands was formerly a beautiful garden, with terraced walks and entrance buildings at the centre of each wall. Now the ground has lest all the character of a gurden, and is let out in patches to cultivators [these were, until quite recently, the descendants of the Kings of Delhi U-H. H. C., 29-8-52] who grow cabbages and tolarco. The gateways are all in a state of great disrepair, and should at all events be eleaned and made scrum against weather. A small temb in the garden, with considerable pretensions to beauty, is in use as a cattle shed, and is much in need of repair.

I think the system of latting out the gardens of tombs to cultivators a very unworthy means of adding to municipal funds. A plan and drawings are making of Humayan's Tools and enclosure, for putting the buildings and garden in good

Near Humayan's Tomb is a collection of buildings, all of which, on account of order. their interest and beauty, should be in the charge of the Executive Engineer of the

Punjab Architectural Division,

Chausath Khamba.-The Chausath Khamba, date 1600 A.D., is a markla passition of 64 pillars, with beautiful marble screenwork enclosing it. The building is in fair order, Chausath Khamba. but some of the perforated screens which had in parts disappeared have been renewed

Nizam-ud-din's Tomb. - Nizam-ud-din's Tomb, date 1824 A.D., has been in stone. repaired and added to in Akhar's and Shah Jahan's time. There is a good deal of marble screen-work Nimm-ast Jin's Temb. and painted decoration. Over the tomb is a moslex canopy inlaid with mother-o'-pearl. The tomb is looked after by Natives, but they damage it with whitewash, which should be removed so as to show the original work.

Khusru's Tomb.—The Poet Khusrn's Tomb, date 1959 A.D., is a marble building, also liberally treated by the Natives, who look after it with whitewash. It is also very dirty Kimuro's Tomb.

and requires repair.

incised work.

Jama'ath Khana Masjid.—The Jour'ath Khans Masjid, date 1853 A.D., built by Feroz Shah, is a fine building, of red multstone, with meased ornament on the façade, like the arches of Kutub-tel-din at the Katas. Whitewash Jama'ath Khana Masjid. has been used freely by the Natives and should be removed. The building requires much repair. The interior domes have pointed ceilings of great beauty and plaster pared for new-eary repairs.

Kalan Masjid.—The Kalan Masjid, built by Feroz Shah, 1851-1885 A.D.,
is in Delhi. The inscription over the entrance
doorway was formerly inlaid and requires renewal.
The interior of the building wants cleaning up and petty repair, and the plaster of
the dones wants repairing badly.

Repairs to the above buildings should, I think, be defrayed out of a special grant for perty repairs.

Fatshpari Masjid.—The Patchpari Masjid, date 1640 A.D. The stone-work of the interior has been coated with whitewash and the carved Dado with red paint. The stone slabs of the roof threatened some years ago to give way, and two rows of pillars with arches were built up in the coatre, forming an intermediate series of pillars; but these are not of the same pattern as the old ones and should be removed, the roof being strengthened with iron joists. A plan will be prepared for this.

Safdar Jung's Tomb.—Safdar Jung's Tomb, date 1753, stands in a large enclosure, with gateways on all four sides. The tomb itself is in fair order, but requires some slight repairs. The garden is in a bad condition, and, like that of Henrywa's Tomb, is let out to cultivators. It should be put in good order; the entrance buildings want much repair. The principal entrance has a finely painted ceiling in a small apartment facing the tomb. Plans will be pre-

Kila Kona Masjid.—The Kila Kona Masjid, data 1540 A.D., is a beautiful building in Parana Kila, and requires considerable requir. Plans will be prepared.

The old buildings at Tughlagkabas at Parasa Kila, Perocapad, Sultan Gori, &c., should be cleared of débris, but further investigation than I have yet been able to make will be necessary.

I resommend strongly that a sum of Hz. 5,000 he sunctioned for the preparation of detail drawings of carved wood and stone commont and of psinted decorations, in which the *Delhi buildings* abound. The plates should be published for general sule and circulation, in order to stimulate Indian industrial act and for use in schools of art throughout the country.

In order to inaugurate the conservation of works of art and antiquity

Special Antinestrast Division for the Punjah, I recommend the establishment of a new division called the Architectural Division.

An Executive Engineer, with special qualifications, to be appointed to the charge of this Division, and, as in the case of the North-Western Provinces, to be under the Chief Engineer, and his work carried on under the immediate orders of the Lieutenant-Governor issued through the Chief Engineer.

His first duty would, I think; be to put in hand the works and projects sanctioned by the Government of India, and to propare any fresh projects for the protection of manuments which the local authorities recommend for preservation or renovation. The only difference that I would suggest between the new division and that already at work in the North-Western Provinces is that after initial measures for preservation or restoration are complete, the buildings should be handled over to the civil authorities for custody and keeping in good order.

The head-quarters of the Excentive Engineer in charge of the Division should, I think, be at Lahore, with a sub-division at Delhi.

He should, I think, obtain the co-operation of the Mayo School of Art, and grive employment to the pupils trained under Mr. Kipling, as far as possible, when delicate ornamental details have to be repaired. Attached to the Executive Engineer's Office there should be a photographer, who, if possible, should also combine the qualifications of head draftsman and restorer of pointings. A properly qualified man could be obtained for a limited engagement for Re. 100 a month.

As regards the provision of funds, I beg leave to submit a suggression that discretionary power night be given to District Officers who are interested in fine manuments and buildings to invite subscriptions from Hindus and Muhammadans. Large portions of the revenue are alienated for religious purposes, and it might be possible to make over some of the endowments for purposes of repairs and maintenance of temples and mosques.

Hi

Report on the Restoration and Preservation of Architectural Buildings in and near Agra-

Every visitor to Agra is aware of the great beauty of the monuments and buildings in the neighbourhood. The magnificent architectural works in Agra itself, at Sikandra, at Fatchpur-Sikri, at Bindrahan and in Muttra, attract crowds of visitors from all parts of the world and from every e-mer of India. Moreover, Mr. James Fergusson's well-known "History of Indian Architectura" has made these monuments familiar to the world at large.

Within even my recollection, Agra was, however, a vast area of splendid build-ines more or less rained.

When Sir William Muir became Licutement-Governor of the North-Western Provinces in 1868, he was concerned for the safety of the palaces in the Agra Fort, and directed me to inspect and report on them. (See Appendix D, page V.)

I found many in a dangerous state, and none that had not been somewhat defined. Subsequently to this, works of restoration were commenced.

Sir John Strackey's Minute of 25th August 1875 alludes to the rumous condition of the Fort buildings in 1874 and 1875, also to the work of restoration that had continued, and notices what had been spent by him up to 31st March 1875, the total being a little more than one lakh on buildings in the Fort, on the Taj, and at Fatchpur-Sikri.

I now have the pleasure, and the honour, of reporting on the marked further progress made in the last five years, through the establishment by Sir John Strachey of the Archaeological Division of the North-Western Provinces.

Buildings at Agra.—I visited Agra in April last, and found many works complete and many in hand. Mr. Heath, the Executive Engineer, is progressing very favourably, and the restoration and repair at the Taj, at the Fort, at Sikandira, at Itmad-u-Dowlah's tomb, and at Fatchpar-Sikri are highly satisfactory. I hope in a few months to visit the work which is going on at Jaunpur, at Buidinbun, and at Mattra; also to investigate the buildings in the Fort at Gwalior, which are unsurpassed for their beauty and instorical interest, and argently require attention. Mr. Heath is anxious to take up the latter work, and I think it would be a good and convenient arrangement that Gwalior should become part of his division.

Palace Buildings in the Agra Fort.*

Palace buildings in the Fort. The Moti Masjid in the Agra Fort has been completely renovated.

This building is in truth absolutely perfect in style and proportion, and entirely of white marble. In 1-68 I found regulation hard at work on the roof and marble demes; and the ceiling and cornices underneath were falling and decaying through damp.

In 1868 access was impossible to the Chitter Gales in the Mochi Rhuwan. They are valuable specimens of metal work, and can now be closely admired.

The small Nagina Manjid, which is at one corner of the Machi Bhawar, is a beautiful marble building and has been placed in excellent repair. There is, howover, a small marble kinsque near it which wants cleaning and putting in order.

The Discou-i-dm, and its beautiful throne and chamber at the back, of mosaic work, is in capital order.

In 1868 this fine building was used as an armoury, crowded with stands of muskets; and to scient it to such a purpose, windows of a European pattern were built in, and the whole of the interior columns whitewashed. Now the building has been thoroughly opened out, and is in appearance precisely what Shah Jalan made it.

The echannale of the Mecki Blazers is under repair and rapidly assuming its former and original state. In 1868 I found that the columns were nearly all rallen or threatening to come down, and the marble cupola on the east had been partially taken down as a measure of safety.

Leading from the Machi Blacks towards the river is a large suite of Baths recently opened out and found to be rained. The various domest rooms were once painted, but whitewash covers the walls; and the marble window-frames overlooking the Jumus have been hosted of their lattice-work. Measures will in due course he taken to repair this part of the Palace.

The repairs to the Dimen-i-Khas have been sanctioned, but are incomplete as yet. The inlaid work is here very fine, and the building itself is in the best style of Shah Jahan's time.

The copper-gilt roof of the Saman Barj is being relaid, and the whole build-

The interior of the Shiek Make/ has been partially restored, but is very dark; and without a torch or candle the mirror work and paintings cannot be seen. The introduction of the utmost possible light into the chamber from the side walls and the completion of the repairs will greatly improve this building. The coloured marble Dado will require very careful treatment.

Much remains to be done to the Kins Makal. The ceiling of the front portion of the pavilion has been taken down and iron girders substituted. The marble ceiling will eventually be restored. The ceiling at the back is in disrepair, and the painted work will be preserved, not re-painted.

^{*} Direct the last three years the House Acce, the Arm Joseph Council Bury, and other buildings have been noticed to a condition of most or has complete security against further higher. Much work has been opened out, it has been of the prescription of the Jahongin Model. The Oleann's American opened out, it has been expended to be an amount, and the distinguishments which Mr. Forgone described with just indignation have been swept away. The last restings of whitewark will seen have distinguished. There will remain over the Divand-Am was uncompletely graduate and other hideous buildings, which will not I kept, had much longer."—(Living from Sic John Strackey's Missaic of 1964 August 1973.)

The famous wooden Someath Gates are at present outside the pavilion called the Base Mohal. I think they ought to be carefully set up in the Discussion, where they would be well seen, and preserved as much as possible from dirt and dust. A detail drawing should be made of this gate.

Repairs which are sally wanted are just commencing to the Augeri Bay's colonnade.

In 1868, I found the Jakangiri Makal Little better than a rain, which climate and neglect were making worse.

Hain found easy access through upper floors and destroyed the coloured coilings; whitewash covered the walls; and stone-work by in heaps in the centre of the centre. Now the beauty of the building can be appreciated, the whole having been built up and parts actually renovated.

I think further experiments should be made to clean off the whitewash which hides the painted walls. I am not sequainted with the process, but I believe whitewash has been successfully removed from old free-case in France and in Italy; but this I can ascertain. As far as the stone carved-work is concerned, the whole has not been restored; but I hold that quite enough has been done for the maintenance of the structure without repeating the carved details at great cost.

The Atheri Barj, to the right of the Khas Makat, is being restored and nearly complete.

Jama Masjid.—The fine Jama Masjid lost its principal gateway in the mutiny; and the Tiepolia, which was a willed enclosure between it and the fort, has been pulled shown to find the site for the Rajputama State Railway station. What is left of the mesque is in fair order, but the interior walls above the murble Dado, which runs all round the building, are covered with whitewash. This building should, I think, come under Mr. Heath for petty repairs. It is well worth keeping intact and in good order.

The beautiful tomb of *Linad-v-Dowlad* is in process of being completely renovated, and the work is nearly finaled. The mosaic of the exterior walls had suffered terribly, but now has been renewed in a skilful manner. Something will be done to clean and preserve the splendid interior paintings. As

I have pointed out, this kind of work will require an expert.

The grounds are not yet put in perfect order. The garden immediately round the tomb is somewhat booked after, but beyond this nothing has been done; and the enclosing wall and side buildings have yet to be repaired. Mr. Heath has made plans and drawings of this building, and the detailed drawings of the interior pointed work will be most valuable.

Chini-ka-Roza.—The Chini-ka-Roza, beyond the tomb of Rand-z-Dozdak, is said to be the resting place of Afzal Khan, Shah Jahan's diwan. The building and surrounding grounds are much ruined and occupied by cultivators. The tomb itself is covered with beautiful tile-work in numerous patterns and colours, and should be preserved.

Fatchpur-Sikri.*—A glance at the photographs Nos. 20 to 25 in the book marginally referred to will show what was the book marginally referred to will show what was the finite marginal state of Fatchpur-Sikri in 1869. Now all in the mightered of Ages," the most important buildings are well in hand and approaching completion under Mr. Heath's direction.

[&]quot;"At Farshper-Asir's the archive at the aught-mat normer off the Durgali, which had shown signs of failure, here been strongthough. I am surry to say that the great archiver, perhaps the grandest failure of its class in existence, is said to require unchasare. But it Fairinger-Nière and at Alberta Tune at Silvandes a great deal has to be shown — (Astron.) I no Sir July Strongy's Missis of 1875.)

The redomnade of the Fatchpar Sikri margar has to receive some triffing require. Some of the marble inlay in the western (See photographs No., 22, 33, 24, 25, "Buildings in the neigh-bontood of Ages.") gateway requires renewal, and chajjus are broken mente and outside the quadrangle. tunk of Saline Christie in good order, but the interior paintings require attention to keep them well preserved. The interior of Namul Islam Khan's temb in whiteamshed and wants cleaning: the gateway near this temb and facing the Baland Durwars wants repairs, and the repewal of inlaid marble and tile-work.

The painted decoration on the walls of the margor ought, I submit, to be protected, but not renewed.

The Baland Daywara is now in a very good condition, the principal archway having been strengthened and made good. This is a most creditable piece of restoration.

Outside the principal mesque is Shaikh Solim's original marque, with bracket pillar, comewhat similar to the so in his tomb. This curious building should be preserved.

In the masonry chambers underneath the mosque and all over the ruins a number of durra weavers are employed; and it occurs to me that some of the unsecupied buildings might be used for an Industrial Art School for stone-carving, if such an institution could be made self-supporting, or be established on a practical basis. The ground round dust Fact's (see Lugars is overgrown with jungle, which remains to be cleared away.

The Hathi Pol is about to be repaired. The Zesava Marjid, between the Joda Baic's have and the Hathe Pol, requires repair. The Panch Mahal wants repair, and the staircass leading to the top is unsafe. The Diwassi-Khar is undergoing repair; but the Discourt die wants patting in order and further ruin arrested. The Terkink wife's known, which is exceedingly beautiful and rich in carving, has yet to receive from Mr. Heath its share of attention.

The hammen of the Khas Makai wants cleaning out and requiring.

Akhar's Kitwalous requires cleaning out; and his kutcherry, now the dak lungalow, wants attention, much of the screen-work being broken.

The Jolk Bair place has to receive some petty requir, and it will be an improvement to open out the various doorways, which were closed up when the building was used as a tabsil. At present there is only one way of getting into the building.

What remains of the painted work on the walls of Miriam's house should be Dreesawed.

The grounds all about the Fatchpur-Sikri buildings have been vastly improved by clearing debris and planting trees, but more can be done with advantage. It would also be a good thing to have the name of each building put up;

Sikandra. Great damage is said to have been done to the buildings at Silandra when Lord Lake took Agra in 1803. The Building at Sikamira. minarets of the gateway had their tops knocked off. and the beautiful tomb building suffered greatly.

The principal entrance at Sakandra has been greatly improved by the restoration of its hands me inlaid work. The interior of the gateway has yet to be cleaned out, as well as the laidlings which flack it. The whole wall and the three other gateways surrounding the tomb require preservative measures. The grounds

^{* 1}a.1870 Dank made of columns in the Panish Makal, of the three-column in the Demant-Khas, and of columns and entring to the Tuckok eight Augus (c). There are all exhibited at the India Museum in Landon. 444 " Statistings in the original content of Ages."

^{*} This I find to be incorrect. The damage was done before Limit Long's time. - H. H. C., Montes.

are much improved by Mr. Lawrence," the Callector, but a great deal pomains to be done when funds are available. The mansoleum itself has been put in splendid condition, and the require are nearly completed. Work is still going on in the lower columnade at some of the small tembs. The vestitude leading down to the actual resting-place of Akbar has beautiful, painted work in the dome and on the walls, which will no doubt receive preservative remedies.

The Taj, +- The entrance galaxy of the Taj has been remained most successfully, and the enclosing walls of the gardens are now being put in order.

The mosque and its pendant, or "Jawab," are in good order; but in restoring and renovating the interior paintings great skill and care are necessary. Decorative painting is almost at obsolets an art in Lainers, Dolhi, and Agra as the tilework for which their buildings are renowned; but the difficulties of successfully renovating decayed and faded freesces are not insuperable, and I have no doubt that men can be found, perhaps in Kashmir, but carriedly in Persia, who can do the WOTE.

The Toj itself has been most successfully repaired, and shines out in all the glory of the original conception...

The actual tombs of Shah Jahan and his wife, in the crypt, have yet to receive slight repairs to the musaics, and some of the musaic work in the chambered corridor above wants attention

Gardens at Agra. - The guales at the Taj is most beautifully kept up, but the water channels and fountains are often empty; and seeing that a canni is no great distance off, it would be an improvement to bring water storight into the garden, instead of trusting to raising it from the river by bull-ok-power. The gardens at Sikandra and at Hmad-a-Dowlah stands in need of larger expanditure than can be afforded from local funds at the disposal of Mr. Lawrence, the Collector; and it would greatly enhance the value of the restoration of the buildings at those places if sufficient money were granted to permit of the enclosures being put in substantial order, after which local resources can keep them up.

Descripts of bondings under the Archaelogical Division, North-Western Proximers.

Mr. Heath him got some 100 plans and drawings of the buildings in his charge for preservation, and they form a calculate means of studying native architecture. It would, I think, be advisable in time to more profusely

illustrate ornamental details of tile-work, painted decomings, carvings, matal and would work; but I am strongly of opinion that the drawings should be reproduced in the heat possible style and published in single plates for me in schooling as throughout India and for safe to artisans. Before augmenting that Government should sanction any particular sum for the purpose, it would be advisable to send one drawing to a publisher and to get a specimen down and an estimate of goat, The best publishing firm in the world for architectural and act works is Morel

^{*} The grounds were a more wante when Mr. Lawrence commenced to clear them, and the jumple exceedingly thick on one side of the manusleum.

^{#&}quot; General attention has been given to the Tat. The restaution of the rathern façale has been simust completed. The broken markles of the walls and randbed operating lines been replaced by salable, and the remeation of the latins work line been standily game on. The latins of the beliefs is now in an almost perfect condition. The great gate way has been reperted, and in pressure, which had fallen or been thosen down, have been re-probably Notwitistanding all this, it will take revival years of encountries the latin which a throughly made and patient before the fall and its surreconfirst buildings on he produce a theoretically made and autistances of site Appears of the surreconfirst standard of this Appears of the surreconfirst standard of the Appears of the surreconfirst standard of the Appearance of the surreconfirst standard of the surreconfirms o 2574.)

& Co. of Paris; and the reproduction of these drawings could be entrusted to them with great confidence in a satisfactory and highly creditable result.

H ii.

Memorandum on the Conservation of Ancient and other Architectural Remains in India.

Lists of principal buildings.

The accompanying lists of buildings and monuments in-

Bengal, North-Western Provinces and Oudh, The Punjab, Rajputana, Central India,

Ousli, Hyderabad, Mysore, British Burma, Madras, Bombay, &c.,

which I drew up recently, have been compiled from official lists and from such books as Fergusson's Indian Architecture, Rousselet's India and its Native Princes, General Cunningham's numerous Reports, &c.

The information available from these sources is not entirely complete; but the buildings named are among those of the first importance, and are sufficiently nonzerous to convince even the least appreciative of the large field which exists for conserving the historical art monuments of India.

2: I use the word "conservation," because it seems to include all that
is required for the protection of works of art,
and for the production of permanent and convenient methods for facilitating their useful study.

Under conservation may be included—

(1) Custody. (2) Preservation.

(3) Restoration. (4) Illustration.

Custody and preservation would appear to be duties which the local civil authorities could undertake satisfactorily, whilst the work of restoration and illustration would require a staff possessed of special qualifications.

- 3. Custody will take some time and trouble to organise properly: an unintelligent and sleepy chowkidar would be no efficient guardian. I would recommend that a corps of antire custodians be enrolled in each district according to requirements, selected, perhaps, from pensioned police or soldiers. They should wear a distinctive badge, and have clear instructions briefly engraved on it.
- 4. It would be of some educational benefit to compile for each administrative

 District Manuals. area a short and popular account of the most
 interesting buildings and monuments. Those,
 printed in English as well as the Vernacular, would possibly tend to create greater
 interest and respect.

b. It might also be worth while to affir to some of the most important moddless to have their naives and buildings a notice in some imperishable material, dates affirst to them.

and date both in Hoglish and the Vernacular.

Nothing exposes a ruin to wantou ill mange so much as ignorance of its history, except, indeed, in the case of those who ought to know better, and who, if not deterred by authority, remove or chip off parts of a menument because if possesses historical or artistic traditions.

Preservation

6. Preservation is a work which native keepers might partially attend to, so, for instance, in

respect of-

(a) cleanliness,

(b) keeping down vegetation.

But

(c) the removal of thick jungle without injury to old huildings,

(d) charing rains of dehris,

(c) setting up fallen portions of a building,

(f) collection of curved or other ornamental fragments,

(g) erection of enclosures to keep off cattle, &c.,

would require periodical and special measures to be undertaken by district authorities.

- 7. Restoration is a work which could only be undertaken after the collection of very full information. It is in itself a very delicate affair, for, unless it be first rate, is best left alone. The costly nature of such work is, moreover, a good reason for treating each case in detail and after full consideration.
- 8. Mr. James Fergusson could furnish a list of important architectural monuments which should be kept in a constant state of preservation or restoration, and I think he would probably include some of the following:—

Bengal-

List of some the buildings that are scuttly of repair or rentoration.

Shir Shah's Tomb at Sameram.
The Golden Mosque at Gaur.
The Adinah Mosque at Maldah.
Temple at Sadri at Parisnath.
Temples in the Puri District, Orissa.

The North-Western Provinces and Oudh-

The Jama Marjid at Badaun.

Jama Musjid at Jampur.
 Atala Musjid at Jampur.

* Akbar's Palace, &c., at Fatchpur-Sikri. * Temple of Govind Deva at Bindratan.

* Alchar's Tomb at Sikundra.

" Palace buildings in the Agra Fort.

* The Tuj Mahal, Agra.

* Tomb of Itmad-u-Dowlah, Agra. Hall in the Fort at Allahabad. Temple of Vishveshwar at Benares. The Punjab.

The Kutub Minar, Delhi.
Humayun's Tomb, Delhi.
Jama Masjid, Delhi.
Jama Masjid, Delhi.
Palace buildings in the Fort of Delhi.
Golden Temple at Amritanr,*
Tomb of Raujit Sing at Lahore.
Palace buildings in the Fort at Lahore.
Tomb of Jahangir at Shabdara, Lahore.
Shah Gardez in Multan.
Shah Sham's Tabrez in Multan.

Rajpatana-

The Arhai-din-ka-Jhompra, Ajmir. Tower of Victory at Chittor. Jama temples at Mount Ala. Palace at Amber, near Jeypore. Palaces, Udaipur.

Central Inlia-

Railings and Gateways of the Great Tope at Sauchi.

Palace buildings in the Fort at Gwalier.

Tomb of Muhammad Ghans at Gwalier.

Temples at Khajuraho.

Jain Temples at Gwalier.

Contral Provinces-

Remarkable Temple and circular enclosure at Rhera Ghat, Rains at Karanbel near Towar. Fine Temple at Janjarir. Temples at Markandi.

Haiderakal-

The Kylns at Ellora. Caves at Ellora. Caves at Ajunfa. Temples at Maikur, Berar.

Maisur-

Temples at Hullhhid. Temples at Behir. Jaina Bastis at Sravana Belgula.

British Burma-

Information too meagre.

Madray-

The Seven Pagodas, Madras.
Temple at Chillambaram, South Arcot.
Hampi.
Tope at Amravati.
Ticumala Naik's Palace at Madura.

Bombay-

Temple at Ambernath.
Buildings at Bijapur.
Buildings at Ahmidabad.
Temples at Purudkal, Dharwar.
Mesque and Tombs at Tatta, Sind.

[&]quot;The Sikhs centribute Derady meaneds the maintenance of this building, and restorations are going an When I visited the temple on the 11th April but, the place was as throughd with notices that I had no opportunity of closely examining the building.

9. The collection of illustrative matter has an importance quite apart from historical or archaelegical interest, as it is by such means alone that the architecture and art of India Ulmstrationcan be studied. Builders and artisans of this great country cannot be expected to keep alive the instincts of their styles, except by making themselves acquainted with the varieties of the ancient and modern arts of Imiia. (In connection with this subject, I lately drew up a brief note on imhustrial art, which I submitted to Government. See Appendix G, page xvi.)

Duties of a Conservator of Assistate and other Architectural Remains in India.

10. To inaugurate the scheme of conservation, it will be necessary to select a Conservator, whose duty it should be-

(a) to convey to Level Governments and Administrations the wishes of the Government of India concernion the custody and preservation of

(6) to arrange for the production of local manuals, &c. ;

(c) to inspect buildings with the view of advising Government as to the measures necessary for repair or restoration ;

(d) to direct operations of draftsmen for the purpose of collecting illustrations of Indian ornamental art.

11. For repair, restoration and illustration, a special organisation will be required for various localities. There can be no better plan than the constitution (after the plan of Sir John Strackey) of a special charge in the Public Works Department of each great Province for the preservation of works of art and antiquity.

In many cases of repair, &c., Lecal Governments have no better agency than that of the Public Works under their orders; but it is only by those who take an interest in such work that it can be properly carried out.

Mr. Gibbs of the Bombay Civil Service, when Assistant Commissioner under Sie Bartle Frere in Sind, arranged for the repair of the Jama Masjid at Tatta, and says, in a Minute on the Bombay Archeological Survey dated June 1873, that he got the work done by collisting the sympathics of the Muhammadan community; and it was afterwards estimated that the cost would have been four times the amount if the repairs had been done by the Public Works Department.

12. For special repairs, preservation and illustrations it will probably be Divisions for special repair and pre- necessary to create divisions similar to that in this North-Western Provinces forservation.

Bengal.

(2) The Punjab. Central Provinces. Rajputama. Central India. (4) { Bombay.* Haiderabad. (5) { Madrus. Maisur

In anticipation of the appointment of these establishments being unctioned I would recommand that some of the buildings under the immediate jurisdiction of the Government of Italia, mentioned in paragraph 8, should be visited with the view of ascertaining the means and approximate cost of undertaking necessary require or restoration.

Major Must, u.c., was appointed Carator of Autient Buildings for the Rembey Presidency in 1878, and was working in correspondence with Mr. Burgoss, the Archeological Surveyor in Rembey Requiry will be made us to low for he has been able to molectake regains, and whether he has any, and what, establishment.

13. General Cumningham in 1874 made the recommendation that all ancient field activities the proper castodians—buildings not in use for worship should be placed at artists buildings—under the sole charge—of the chief civil authority of the district; but it is specially in the case of fine buildings associated with military establishments that very clear ruling is required as to what should be in the charge of the civil authorities. All buildings of historical or artistic interest in forts like those at Delhi, Labore and Gwallor, should be taken out of the charge of the military authorities and placed in the charge of the Local Government. At Agra the palace buildings and other works of art in the Fort are in the charge of the Executive Engineer of the Archaelogucal Division of the North-Western Provinces; and this arrangement presents no difficulties, as in any case of disturbance the whole of the buildings would, like those in the city of Agra outside the Port, come under military occupation and charge, and the civil authority temporarily superseded.

In Madras the custom is to consider the charge of all buildings of historical or architectural interest to be vested in the revenue officials of each district, excepting those that are under the Public Works Department for repairs.

There is no organisation yet established in Madras for either investigating or conserving the wonderful and beautiful monuments of that Presidency.

14. As far as the discovery of buried ruins or works of art is concerned, the Act for the Preservation of Manuscania. Transure Trove Act of 1878 appears to furnish the civil authorities with all necessary power for regard to the preservation of buildings and monuments, unless existing legislation is sufficient, an Act similar to Sir John Lubbock's would seem requisite.

Bengal!

Some Principal Angient and other Native Architectural Buildings in the Lower D.

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Rajputana Agency.

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Central India Agency.

Some Principal Ancient and other Native Architectural Buildings in the limits of the Central India Agency.

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Some Principal Ancient and other Native Architectural Buildings in the Central Provinces.

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Some Principal Ancient and other Native Architectural Buildings in the Muharajah's territory, Maisur.

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Some Principal Ancient and other Native Architectural Buildings in Burma.

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Principal Ancient and Acadhictural Bullifings, Se. -contd.

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Madras Presidency.

Some Principal Ancient and other Native Architectural Buildings in the Madria Presidency.

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Madras Presidency.

Principal Ancient and dechilectural Buildings, Se. -contil.

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Bombay Presidency.

Some Principal Ancient and other Native Architectural Buildings in the Bombay Presidency.

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Bombay Presidency.

Principal Ancient and Architectural Buildings, Sy. -contd.

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Bombay Presidency.

Principal Ancient and Architectural Buildings, Se-contd.

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Extract from the Proceedings of the Government of India in the Home, Revenue and Agricultural Department (Surveys). No. 30-42, dated Fort William, the 2nd February 1881.

Observations.-Her Majesty's Secretary of State having sanctioned the appointment of a Curator of Ancient Monaments, whose duties will be to superintend, under the Supreme Government, the conservation of the most celebrated and important examples of national archaeology and architecture throughout India, the Covernor General in Council is pleased to appoint Captain H. H. Cole, n.m., to be Curator, and to direct him, in communication with the Local Governments and Administrations, to inspect the principal monuments throughout In lia, the historical and archaeological value of many of which has been brought to notice by General Cunningham and the other officers ongaged in the Archaeological Survey or India, in order to frame a scheme for their protection and conservation.

- 2. The national buildings of the Indian Empire are so numerous and so valuable, as well from an archaelogical as from an artistic point of view, that the Governor General in Council feels confident of meeting with ready co-operation from all the Provincial Governments, and desires that all possible assistance may be afforded to the officer to whom the organisation of the new department is confident.
- 3. The appointment of Captain Cole was notified in the Gazette of India of the 29th ultimo.

K

Extract from a letter from the Secretary to the Government of India, Home Department, to Local Governments and Administrations, dated the 12th August 1881.

2. The main object of Captain Cole's appointment is to give the Government of India and Local Governments the advantage of professional advice in questions concerning the restoration and conservation of ancient monuments throughout India. All schemes for such works should, therefore, be considered by Local Governments in consultation with Captain Cole, but he will not be directly concerned with the estimates for the work, which should be prepared by the officers of the Local Governments.

3. Should the estimated cost of any work be more than the Provincial Services can afford, the Local Government will be at liberty to apply for any additional sum required to the Government of India, by whom a certain sum will be set apart yearly for such purposes.

4. On the work being approved by the Government of India, or in the event of the Local Government being able to carry it out without assistance from that authority, it will rest with the Local Government to carry it out; but Captain Cole should be referred to from time to time as common may require during the execution of the work, and any suggestions of his should receive full consideration.

L

Letter from Captain H. H. Cole, R.E., Curator of Ancient Monuments in India, No. 512, dated Simla, the 10th November 1881, to the Secretary to the Government of India, Home Department.

I have the honour to submit the following recommendations for dealing to the best advantage with the various architectural illustrations in course of preparation in my Department.

2. Fourteen years ago, when the subject of Indian architecture was exciting a great and general interest at the Paris Exhibition of 1867,* I addressed a note on the collection of information about the architecture of India (dated Naini Tal, June 1867) to the Secretary of the Science and Art Department.

In paragraph 2 of that note I thus drew attention to the importance of reviving in this country a knowledge of its national art :-

- * (2) Apart from the value of representing Indian ambitocture, for study in England, there would be a good opportunity for representing at various museums in India a bistory of Native architecture. The education of natives whose modern art is daily becoming more and more norrupted, and all originality and identity being lost, is a matter worthy of serious consideration.
- 3. I again drew attention to this subject in my report for the year 1869-70 in which I submitted a brief narrative of my surveys in Kashmir, the North-Western Provinces, and of the easting operations at Sanchi in Central India. In the appendix of that report, quoted as follows, reference is made to the illustrations prepared in Kashmir and the neighbourhood of Agra, at Fatchpur Sikri, Bindrabun and Dig, which were published by order of the Secretary of State at the India Office:—
- "I. The study of Indian Art and Architecture is more important than would appear at first sight, and I append here a short note on the principal nine which I endeavour to keep in view in collecting illustrations.
- "As bearing on our knowledge of India the study is important to those who wish to know who the people of this great country are, and what state they existed in before the Muhammadian invasion.
- "The faith, state of civilisation, and prosperity of the natives who occupied any particular period or locality may be found suggranted on the architecture of the country, and these stone records are all the more precious when it is considered that there are few written annuls that can be trusted.
- "2. To English architects the study offers a means of elucidating the true position of architecture in England, by widening the base of observation and enabling students to realise the definition of architecture as an 'art,' and not as a system of supplies.
- "3. Ambitecture in India is a living art, influencing not morely the forms and details of buildings, but giving birth also to nearly all those ornamental details which render so many Indian manufactures valuable as being at once unamental and useful. The instruction, therefore, of pairies builders and artisans in the different styles of Indian architecture appears to be the chief runnely for preventing modern Indian buildings from lacking instinctive mative merit free from efforts to copy European styles, and, for modering Indian occamental manufactures of sufficient grammental investy to find a market not only in this country, but in Europe.

^{*} The illustrated volumes published in 1806 moder the ampices of the Committee of Architectoral Antiquities of Western Italia, edited by Mr. T. C. Hope, c.s., together with the photographs of Indian buildings exhibited at Paris, brought the subject prominently forward.

"4. With special view, therefore, of making full use of such illustrations as am now being produced of Indian buildings. I vanture to suggest that the photographs and drawings be freely circulated throughout India for study and reference.

"Schools of Art, Native Colleges, and Museums should. I think, exhibit them in series with vernacular notes. Municipal communities and civil authorities should possess somes of each series for reference, and I cannot but think that many appropriate forms could be selected out of which to design manicipal and other buildings for native purposes." "—(Appendix, quoted from the Report, duted Camp Sanchi, February 1880.)

- 4. The illustrations in course of elaboration in my office are of three kinds-
 - (a) Rough sketches to illustrate preliminary reports.
 - (b) Plans and drawings to illustrate recommendations for the preservation of buildings, &c.
 - (c) Plans, drawings, details, photographs in illustration of Indian architecture and art.
- 5. The accompanying printed catalogue of the rough drawingst prepared by my draftsmen during the last year shows how much material has been collected. Many of these drawings have already been faired out for the Lahore and Delhi projects.

Besides these, Mr. Heath, Executive Engineer for the Conservation of Ancient Buildings in the North-Western Provinces, has prepared a considerable number of excellent drawings of buildings at Agra, Bindrabun, Mahoba, Hamirpur,

Janupur, &c.

6. As I have already pointed out in my report of 10th May 1889, these illustrations to be of value should be reproduced in the best possible style, and published in single plates for me is schools of and throughout India, and for sale to artisans. The best firm in the world for architectural and art works is Morel & Co. of Paris. They have published some unequalled volumes on Oriental Art, and have abundant facilities for reproducing coloured drawings by chromolithography, by stehing, and by engraving on steel and copper-plate. I have no besitation in recommending that they be entrusted with the reproduction of the drawings above mentioned; but it would be essential to find out what are the points to observe, so that the engravers, &c., may have the least difficulty in reproducing from original plans and drawings.

When I have ascertained this, the drawings can be sent from India to Paris and published without further delay.

I would suggest that authority be given for me to incur a sum not exceeding Rs. 5,000 allotted out of this year's grant for conservation in getting a selection of the drawings reproduced.

^{*} Dering my step hat year at Himirahun, I saw in progress a Hinda house which was being built at the expense of a Luckmow banker. It is not too much to say that it was the most bulcomy bybrid structure I have ever seen. The expitals were lonic, the polistical marble pillurs funced, the details Himin, Mahamusulan, Gothic I. And the decors and windows closed by green vanetisms.

⁺ B is unnecessary to print the flat hers. It comists of 469 plans and datails,

M

Catalogue of Works of Reference bearing on Indian and Oriental Architecture, Art, and Archæology.

(Under correction.)

Some six months ago I procured lists of the Indian and Oriental Art Books of Reference in the Art Library of the Kensington Museum. These lists I now give, keeping those on India separate from those hearing on Oriental Art. They contain a large number of most valuable volumes, many of which are out of print and difficult to get. Edwin Parsons, 45 Brompton Read, London, and other dealers in rare books will generally ferret out a copy, if it is going; but both Messrs. Thacker, Spink & Co., in Calcutta, and Thacker & Co., Bombay, have most of the modern works, and some of the reprints of the earlier ones.

Provincial Gazetteers of the Indian Empire can be obtained at the various Government presses. Hunter's Imperial Gazetteer of India is published by Trübmer & Co.

Fergusson and Taytor's Architecture at Besjapore, and Architecture in Dharwar and Mysore, can be had of John Murray, London, but the photographs are out of print.

Fergusson and Burgess' Cave Temples of India is precurable through Thacker and Co., Bombay. General Cunningham's Archaellogical Survey Reports are published by the Superintendent of Government Printing, Calcutta.

Dr. Burgess' Archaeological Reports of Western India are published by Allen and Co., London, but can be had at Thacker and Co., Bombay. Mr. Growse's Mathura Memoir is published at the Government Press, Allahabad.

Biddulph's Tribes of the Hindu Kush may be had from Thacker, Spink and Co., Rajandralala Mittra's Budu Gya, Bengal Secretariat Press, and my official and illustrated Reports on the Conservation of Indian Monuments are being published by the Indian Government.

A cheap edition of Rousselet's India and its Native Princes can be had of Thacker and Co., Bombay, price Rs. 9-8-9,

The following are interesting works :-

Ujfalvy, Hourdon: Do Paris h Samarkand. Hachette and Co., Paris, 1880.

Faria Sonza: History of the Discovery and Conquest of India by the Portuguese; translated by Captain John Stevens, 1694.

Athanasius Nitikius: Travels in the Deccan, 1470; translated by R. M. Major, Esq., Hakluyt Society.

Firdansi: Shahmameh, in Persian and French (to be had at Thacker's, Bombay).

Tod, James: Rajasthan (a reprint to be had at Thacker's, Bombay).

Indian Guide Books, published by Messrs. Thacker & Co., Bombay, and by Messrs. Thacker, Spink & Co., Calcutta.

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Kenne's Guide to Delhi	19163	107	100	2-12
Agra	1600	1000	(40)	233
Lucknow, Alialuba	d	222	444	2-12
Macleun's Guide to Bombay	222	244	HE	5-0
Murray's Handbooks, Part 1, Madrae		311	1000	9.8
Part 2, Bombs		166		9-8
Sherring's Guide to Benares	1761		cold.	2-4
Tourist's Guide, Calcutta to Mooltan,	Allaha	abad to Bombay	022	2-8
The Cashmir Handbook, by Ince	PET!	***		Dat)
Bholanath Chunder's Travels of a H	indu		105/	12-0
How we did the Lions of the North-		300	440	1-0
The Delhi Handbook, by Stephen	220	199	240	0+8
The Tourist's Guide	196	222	220	2:0
The Archnology of Delhi, by Carr S	tephen			
History of Mandu, by a Bombay Su bay Education Society's Press for	haltern	, published in B Isharujah of Dha	om-	

(I)

Catalogue of Books, &c., bearing on Indian Art.

- ALEXANDER (JAMES EDWARD).—Travels from India to Rugland; comprehending a visit to the Burms Empire, and a journey through Persia, Asia Minor, European Turkey, etc., in the years 1825-26. Illustrated with maps and plates.—#10: London, 1827.
- Annestey (George Viscount Valentia).—Voyages and Travels to India, Ceylon, the Red Sea, Abyseinia, and Egypt, in the years 1802-06. By George Viscount Valentia. Plates and maps. —3 vols., 4to: London, 1809.
- ATKINSON (James).—Sketches in Afghanistan, by James Atkinson, Eq.,
 [lithographed plates by Louis and Charles Haghe].—Folio:
 London, n. d., 1842.
- Berros (Mas. S. C.).—The Sundhya or the Daily Prayers of the Brahmins. Illustrated in a Series of Original Drawings from nature, demonstrating their attitudes and different signs and figures performed by them during the Ceremonies of their morning Devotions, and likewise their Poojas, ste. In 24 (coloured) plates, by Mrs. S. C. Belnes.—Isp., folio: Lendon, 1851.

BELNOS (Mrs. S. C.) .- Twenty-four Plates, illustrative of Hindoo and Fairopean Manners in Bengal. Drawn on stone by A. Colin, from sketches by Mrs. Belnos (text in English and French) .- Folio :

London, n. d.

Brun (James) .- Historical Researches on the Origin and Principles of the Buddha and Jaina Religious, illustrated with descriptive account of the Sculptures in the Caves of Western India, with Translations of the Inscriptions from those of Kanari, Karli, Ajanta, Ellora, Nasik, &c., which indicate their connexion with the Coins and Topes of the Punjab and Afghanistan. 53 plates .-Folia: Bombaz, 1847.

BIRDWOOD (GROEGE C. M., C.S.L., M. D.), now Str G .- The Industrial Arts of India. With map and woodcuts. Published for the Committee of Council on Education,-3 role, large et. Sec :

London, 1880.

BLAGDON (FRANCIS WILLIAM) .- A Brief History of Aprient and Modern India, from the Earliest Periods of Antiquity to the termination of the late Mahratta War .- Ohl. folia: London, 1805.

BREEKS (JAMES WILKINSON) .- An Account of the Primitive Tribes and Monuments of the Nilgiris. By the late J. W. Breeks; edited by his widow.—4to: Landon, 1873.

BROUGHTON (THOMAS DURK) .- The Costume, Character, Manners, Domestic Habits, and Religious Ceremonies of the Mahrattas. With 10 coloured engravings, from drawings by a native Artist .- Ho :

Landon, 1813.

Buchanan (Da. Francis) .- A Joniney from Madras through the countries of Mysore, Canara, and Malabar, performed under the orders of the Most Noble the Marquis of Wellesley, Governor General of India, for the express purpose of investigating the state of Agriculture, Arts, and Commerce; the Religion, Manners, and Customs; the History, Natural and Civil, and Antiquities, in the Dominions of the Raja of Mysore, and the countries acquired by the Hon. East India Company, in the late and former wars, from Tippoo Sultan. By Francis Buchaman, M.D. Hinstrated by a map and numerous other engravings.— 3 vols., 40; London, 1807.

Burgess (James) .- Archaeological Survey of Western India. Vol. I., Report on the First Scason's Operations in the Belgam and Kaladgi Districts, January to May, 1874; Vol. II., Report on the Antiquities of Kathiawad and Kach, 1874-75; Vol. III., Report on the Antiquities in the Bidar and Aurangabad Districts. in the territories of His Highness the Nizam of Haidarahad, 1875-76. 3 vols., with photograph and lithograph plates .- Royal

4to . Landon, 1874-78.

BURNESS WAR, THE .- (Eighteen coloured views taken at and near Rangoon, by Lieutenant Joseph Moore, 89th Regiment; and six coloured engravings illustrative of the combined operations of the Forces in the Burman Empire, 1824 and 1825. Painted by T. Stothard, R. A., from original sketches by Captain Marryat, R. N.) .- Obl. folio: London, 1826.

BURNES (LIEUTENANT ALEXANDER) - Travels in Bokhara; being the account of a journey from India to Cabool, Tartary, and Persia; also the narrative of a voyage on the Indus from the sea to Lahore, with presents from the King of Great Britain, performed under the orders of the Supreme Government of India, in the years 1881, 1882, and 1833 .- 3 cola, roy. 800: London, 1834.

Caldecorr (Jous). - Description of an Observatory established at Trevandrum by His Highness the Raja of Travancore. - Har

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CLARK (Mrs. H.). Summer Scenes in Kashmeer. Drawn on stone by J. Needham, from sketches by Mrs. H. Clark (12 litho-graphs).—Imp. folio: London, 1858.

COLE (HENRY HARDY) .- Illustrations of Ancient Buildings in Kashmir prepared under the anthority of the Secretary of State for Indis in Council, from photographs, plans, and drawings taken by order of the Government of India. By Henry Hardy Cole, Licutement, R.E., etc.—Folio: London, 1870. Cole (Henry Hardy).—The Architecture of Ancient Delhi, especially

the Buildings around the Kutub Minar, by Henry Hardy Cole,

Lieutenant, R.E., etc.-Folio: London, 1572.

COLE (HENRY HARDY) .- Illustrations of Buildings near Muttre and Agra, showing the mixed Hindu-Mahomedan style of Upper India, prepared at the India Museum under the authority of the Secretary of State in Council, from photographs, plans and drawings taken by order of the Government of India by Henry Hardy Cole, Lieutenant, R. E .- Folia : London, 1873.

COLE (HENRY HARRY) .- Catalogue of the Objects of Indian Art exhibited in the South Kensington Museum, compiled for the Science and Art Department by H. H. Cole., Lieutenaut, R.E. Hinstrated by woodcuts and a map of India showing the localities of various

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CORDINER (JAMES) .- A Description of Ceylon, containing an Account of the Country, Inhabitants, and Natural Productions; with narratives of a tour round the island in 1800, the Campaign in Candy in 1803, and a journey to Ramistorum in 1804. Hinstrated by 25 angravings from original drawings .- 2 role, 4to r London, 1807.

Costumes.-A collection of fifty-nine original coloured drawings of

Indian costumes—4to.

Costumes, Indian.-Fifty-three original coloured drawings of Indian costumes.—Sec.

CURNISORAN (ALEXANDER) .- An Essay on the Arian Order of Architecture as exhibited in the Temples of Kashmir, by Alexander

Cunningham. [Plates.] -Seo: Calcutta, 1848.

CHERINGHAM (ALEXANDER).—The Bhiba Topes; or Buddhist Monuments of Central India, comprising a brief historical sketch of the rise, progress, and decline of Buildhiam, with an account of the opening and examination of the various groups of Topes around Bhiles. By Brevet-Major Alexander Conningham. Illustrated with thirty-three plates .- See : 1854.

- CUNNINGHAM (ALEXANDER),—The Ancient Geography of India. I—The Buddhist Period, including the campaigns of Alexander and the travels of Hwen Thsang. With 13 maps.—Royal Sec.: London, 1871.
- CUNNINGHAM (ALEXANDER).—The Stups of Bhachut or Buddhist Monument ornamented with numerous sculptures illustrative of Buddhist legend and history in the third century B. C. Published by order of the Secretary of State for India. With 57 plates.—Alo: London, W. H. Allen & Co., &c., 1879.
- DANIELL (T. and W.).—Antiquities and Views in India, from the drawings of Thomas Daniell. 143 engravings (one wanting).—Large folio: London, 1799.
- DANIELL (THOMAS and WILLIAM).—A Picturesque Voyage to India, by the way of China, by Thomas Duniell, R. A. and William Daniell, A.B.A.—Obl. 4to: London, 1810.
- Daniell (William). Eastern Legendary Tales and Oriental Romances; being a representation of oriental manners and habits, exhibiting a true picture of eastern society. Embellished with ongravings on steel, from drawings by the late W. Daniell, R. A. —2 vols., Sec. n. d.
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- Dow (Alexander).—The History of Hindustan; translated from the Persian. The second edition, revised, altered, corrected, and greatly enlarged,—2 vols., 4to: London, 1770.
- D'OYLEY (Sta Charles, Bart.) The Costume and Customs of Modern India; from a collection of drawings by Charles D'Oyley, Esq.; engraved by J. H. Clark and C. Dubourg; with a preface and copious descriptions, by Captain Thomas Williamson.—Fol.: London, 1813.
- D'OYLEY (SIE CHARLES, BART.).—The European in India, from a collection of drawings by C. D'Oyley engraved by J. H. Clark and C. Dubourg; with a preface and copions descriptions, by Captain Thomas Williamson; accompanied with a brief history of Ancient and Modern India by F.W. Blagdon,—4to: London, 1818.
- D'OYLEY (SIE CHARLES, BART.).—Views of Calcutta and its Environs.

 By the late Sir Charles D'Oyley, Bart. (26 lithographs).—Imp.
 folio: London, 1848.
- EDEN (HONOURABLE MISS E.) .- Portraits of the Princes and People of India .- Folio : Landon, 1844.

- ELLIGIT (COMMANDER ROBBET).—Views in India, China, and on the Shores of the Red Sea; drawn by Pront, Stanfield, Cattermole, Purser, Cox, Amsten, &c., from original sketches by Commander Robert Elliett, R. A., with descriptions by Emma Roberts.— 2 note in I, 4to, n. d.
- FANE (HENEY RIDWARD) Five Years in India; comprising a Narrative of Travels in the Presidency of Bengal, a Visit to the Court of Runjeet Sing, a Residence in the Himalayah Mountains, an Account of the late Expedition to Cabul and Afghanistan, Voyage down the Indus, and Journey Overland to England, by Henry Edward Fune, Esq.—2 role, See : London, 1842.
- FERGUSSON (JAMES).—Illustrations of the Rock-cut Temples of India-Selected from the best examples of the different series of caves at Ellora, Ajunta, Cuttack, Salsette, Karli, and Mahavellipore. Drawn on stone by Mr. J. C. Dibdin, from sketches carefully made on the spot, with the assistance of the camera lucida, in the years 1838-39. By James Fergusson Esq.—Text Svo., atlas folio: London, 1845.
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- France (James Battar).—Journal of a Tour through Part of the Snowy
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- Fraser (James Baille).—(Views of Calcutta. Coloured plates.)— Large folio: London, 1824-26.
- Gurrer (Linner).—India Blustrated; an Historical and Descriptive Account of that Important and Interesting Country. By Linney Gilbert. With numerous splendid steel engravings, after drawings by William Daniell, Esq., R.A.—Svor. London, u. d.
- Goucar (Richard).—A Comparative View of the Ancient Monuments of India, particularly those in the island of Salsetto near Bombay, as described by different writers. Blustrated with prints. [By Richard Gough.]—40: London, 1785.
- GRINDLAY (ROBERT MELVILLE).—Scenery, Costumes, and Architecture chiefly on the Western Side of India, by Captain Robert J. Melville Grindlay, with 36 coloured plates.—Folio : London, 15391-30.
- Handison (Homographs Charles Stewart).—Recollections of India.

 Drawn on stone by J. D. Hardinge, from the original drawings of the Honorable Charles Stewart Hardinge. Part I.—British India and the Punjab. Part II.—Kashmir and the Alpine Punjab.—Atlas folio: 1847.
- Hannes (Chauntes).—The Rous of Mandoo, the Ancient Mahommedan Capital of Malwah, in Central India. By J. Guisud, from the original sketches of Captain Claudius Harris, with descriptive and historical notices (chiefly founded on Sir J. Malcolm's "History of Central India") and an appendix.—Folio: London, 1860.

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- Houses (William).—Travels in India during the years 1780-83, 14 plates.—Har London, 1783.
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- Hunten (James).—Picturesque Sconeries in the Kingdom of Mysore, from 40 drawings taken on the spot by J. Hunter, Licatement in the Royal Artillery, serving in a detachment from that corps under Marquis Cornwallis, in the war with Tippoo Sultan, Engraved under the direction of Edward Orme (coloured plates).—Obl. fol.: London, 1806.
- Hunter (W. W.).—Orissa, by W. W. Hunter. With plates.—2 rals., Sec: London, 1872.
- Isma.—To India, and back by the Cape. By a Travellar. With numerous drawings on wood and stone, by John Corbet Anderson? 18 plates.—Ho: Groydon, 1858.
- Innia Mesnew.—Return to an Address of the Honorable House of Commons, dated 20th July 1876, for "copy of the Resolutions or Resolution of the Secretary of State for India in Council respecting the transfer, with the opinions of the Members of Council recorded thereon."—Jeap. fol.: Leadon, 1876.

- INDIA MUSEUM.—The Textile Pabrics at the India Museum, and Projected New Work on the Manufactures of India. (Articles from The Times, The Salurday Review, &c.)—Id pp., See: London, 1879.
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- Indian Ornament.—A Collection of Drawings in Water Colours from Objects of Indian Manufacture in the Great Exhibition of 1851.

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- James (A. G. F. Ellor) .- Indian Industries .- Cr. Sec : London, 1880.
- James (Captain).—Military Costume of India, in an exemplification of the manual and platoon exercises for the use of the Native Troops and the British Army in General. With 35 coloured plates.—Folio: London, 1813.
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List of some Historical British Monuments and Memorials worthy of preservation on account of their public interest, dated 13th July 1882.

(Under correction.)

Bengul.

- The Ochterlony Monument on the Calcutta maidan; built in 1825 in honour of Sir David Ochterlony. The column is of plastered brick.
- Pedestrian stains of Lord William Cavendish Bentinck, Governor General; erected in 1835 in front of the Calcutta Town Hall; bronze.
- Pedestrian statue of George, Earl of Anekland, Governor General; erected in 1848; inside the Eden Gardens, Calcutta; bronze.
- 1. Pedestrian status of Sir William Peel, Calcutta; white marble.
- Equestrian status of Henry, Viscount Hardinge, on the Calcuttamaidan; bronze.
- Equestrian statue of Sir James Outram (by Foley, 1874), Calcutta; bronze.
- Statue of the Marquess of Hastings (in the Dalhousie Institute) Calcutta.
- 8. Status of Lord Lawrence, Calcutta.
- 9. Statue of Land Mayo, Calcutta.
- 10. Lady Cauning's tomb in Barrackpore Park.
- Cenotaph in Barrackpore Park, erected by the Earl Minto containing the following mural tablets:—to the memory of officers who fell at the conquest of Java, 1810-12; also to the memory of officers who fell at the conquest of the Isle of France, 1810; and to the memory of the officers who fell at Malearappore, 1843.
- Cenotaph close to the Judge's kutcherry at Hankipore, erected in memory of Major Knox, who is 1700 relieved Patna when besieged by the Emperor Shah Alum.
- 13. Tall stone shalt in Patra City, excited in memory of 48 servants of the East India Company and 100 European soldiers massacred by Mir Kassim Ali, Subadar of Bengal, when the British were marching to the rescue of their countrymen in Patra in 1753. Among the victims were Mr. Eilis (Resident of Patra) and Messrs. Hay and Lushington (Members of Council).
- 13a. Two manuments at Bhagalpur to the memory of Mr. Augustus Cleveland, Collector of Bhagalpur; one of brick, erected by the district landholders, and the second of stone, sent out by the Court of Directors from England.
- A small cross in the disused burial ground enclosed in the Bhagalpur race course, erected to the memory of officers and men of Her Majesty's 3rd Buffs, interred in 1828.

- Monument at Aligarb to the memory of officers and men who North-Western Fell at the taking of Aligarb in 1803.
- Tomb at Aligarh of Major Robert Naira, 6th Bengal Cavalry, who fell at the siege of Kutchowra in 1803.
- Monument at Aligarh to the memory of officers and men who fell during the Mutiny, 1837.
- Two memorial pillars erected to the memory of the officers who fell at the storaging of the Kalinga Fort in 1814, Dehra Dun.
- Monument at Falchgunj near Bareilly to the memory of the officers and men who fell near Fatchganj against the Rohillas in 170 h.
- Tomb of the late Mr. Thomsson, Lieutenant-Governor, North-Western Provinces, in the Churchyard of Christ Church, Barrelly.
- Tomb of Lieutenant-Governor the Hon'ble John Russell Colvin at the Palace of Agra.
- At Goverdhum a mussive monolith hearing an inscription setting forth that Colonel Seymour, C. B., will punish any soldier who shoots game in the neighbourhood.
- Monument at Aligarls to the memory of Ensign Marsh and others killed on the Agra and Aligarh road in 1857.
- Tombs at Shewalaghat, Benares, of three British officers who were killed in the disturbance of Rajah Cheyt Singh.
- Memorial cross at Fat-ligarh in memory of those who fell during the Matiny, 1857.
- 26. Tomb in Cawapore Memorial Church compound erected to the memory of Major Vibart and 70 officers and men who escaped from the massacre at Cawapore in June 1857 and were captured and mardened at Sheorajpair.
- Tomb near the Cawapore Church creeted by the Memorial Church Committee over the commins of those that were first killed in the entreuchment in June 1857.
- Well in the Memorial Church compound covered with a stone and inscription.
- Large stone cross at the barracks, Campore, erected over the well in which those that lost their lives in the entrenchment were buried in 1857.
- Statue (by Marochetti) and enclosure over the well in the Memorial Gardens, Cawapore.
- Memorial at Azamgarh erected to the memory of the officers and men who were killed at the battle of Azamgarh.
- 32. Mausoleum of Lard Cornwallis at Ghazipur by Flaxman.
- Monuments at Jhansi in memory of those killed in the Mutiny, 1857.
- The space in front of the Tarawali Kothi, where two parties of Cashow.
 Europeans were murdered in 1857; a memorial has been

Codh

- put up to commemorate these massacres almost on the spot when they commed.
- On left of "Gossainganj" Road, about i mile from "Dilkoe-sha," and on this side of bridge, over "Pangri" Nullah—Lacutemant Percy C. Smith, 97th Regiment.
- About fifty yards on left flank of "Dilkoosha" in an enclosure, Major the Hon'ble Barrington R. Pollew and Ensign L. E. Csoper, 2nd Battalion, Rifle Brigade.
- In rear of the General's house, Captain Charles William McDonald, 93rd Highlanders; Lieutenant Lowick Emilius Cooper, 2nd Battalion, Rills Brigade; Lieutenant Charles Warden Sergison, 93rd Highlanders, and Charles Evans, 93rd Band.
- In the "Belatibagh," Captain H. Hutchinson, 9th Royal Lancers, Sergeant S. Newman, 9th Royal Lancers, and Mr. Henry B. Garvey, Acting Mate, Her Majesty's S.S. Skannag.
- In rear of the right flank of "La Martiniere"—Captain W. S. B. Hodson of Hodson's Horse; Captain L. D'Acosta, 56th Native Infantry.
- Under a tree on the left of the road going from "La Martiniere" to "Wingfield Park Bridge "—Lieutemat Augustus Otway Mayne, Bengal Artillery.
- 41. About fifty yards on the left of "Secundralagh"—Lieutement Francis Dobbs, and 5 Privates of 1st Madras Fusiliers.
- Off the road between "Mushidzadi's Tomb" and the Kaiserbagh
 —Captain T. Clarke, R.E., Lieutenant E. P. Brownlow, R.E.,
 Corporal F. Morgan, Lance Corporal J. Davies, and 12 Sappers.
- At "Secundralisish" Bridge on the left bank of "Gunti"— Lieutemant W. R. Moersom, 52nd Light Infantry, Deputy Assistant Quarter Master General, 1st Division.
- 41. About 24 miles on and close to the left of "Fyzahad" read— Captain W. F. Thynne, 2nd Battalion, Rifle Brigade.
- 45. About 150 yards off the right of the "Fyzalad" road, at 50 yards beyond the bridge over the "Gokral" Nullah—Charles Sanferd, late Captain of the 3rd Bengal Light Cavalry.
- Old cantonment cometery, 3 miles on the "Sitapur" read to the right—Licentenant F. G. MacDonald, Adjutant, 2nd Punjub Cavalry; Licentenant H. G. Richards, 3rd Buttalion, Rifle Brigads, and Licentenant Robert Daly Synge, 90th Light Infantry.
- About 50 yards to the right of the "Sitapur" road at the 4th milestone, the 46th Regiment, Cholera Graveyard—Private W. Aston, 46th Regiment.
- 48. At the "Müsabagh"—Captain T. Wale, 1st Sikh Irregular Cavalry.

- About & mile off the "Malliabad" road between it and "Má-Outh, sabagh—"Major John Griffiths Price, 2nd Dragoon Guards (Queen's Bays).
- The 97th Regiment Graveyard on the river road, I mile from the Fort, Ramiki Darwaza—Sergeant W. Smith and Sergeant G. Smith, 97th Regiment; Assistant Surgeon W. Dumbreck 97th Regiment.
- Steeple monument on the top of "Hazratganj" near "Kaiser-lagh"—Sir Mountstuart Jackson, Bart., Captain Patrick Orr, Lieutenant G. J. H. Burns, 1st Bombay European Fusiliers, Sergeaut-Major Morton; on other side G. P. Carew, Esq., Mr. Greene, Miss Jackson, and others, victims of 1857.
- 52. In the "Alambagh—" Major T. Perrin, Lieutenant N. G. J. J. Nunn, and M. Preston, 90th Light Infantry, Lieutenant Dundas W. Gordon, Bengal Artillery, Henry Ayton, 84th Regiment, Major-General Sir H. Havelock.
- 53. Temb about 32 miles off the left side of the "Sitapur" road between the 7th and 8th milestones.
- Old "Murriagn" Cemetery and Roman Catholic Cemetery in rear of the "Pussunt" (Revenue or Customs) "Kaiserbugh."
- 55. Two tomb-looking enclosures—one close to the right side of the "Sectapore road," about the 8th milestone, nearly opposite the Traveller's Bangalow; the other on the Artillery side of the road, running between their lines and the Lancers.
- 56. Lawrence's tomb-Residency.
- 57. Cross to those who fell in the defence-Residency.
- Memorial to the faithful sepoys of the Bailey Guard, outside the Bailey Guard.
- 50. The "Sher Darwaxa," where Neill fell.
- 60. Tomb of Mr. Ravenseroft, murdered at Bhinga, Oudh, 1823, Oadh.
- 61. Mackeson's Obelisk-Peshawar.

Panjab.

- Bilaspore monument to Captain Showers, four or five hundred yards to the East of Rattem Char, 1-19th Bengal Native Infantry, storming the Malown Heights, 15th April 1815.
- Also to Lieuteuant Lawtis, R.E., rule tomb of stones; a monnment was erected to him in the Cathedral Church of Calcutta.
- 64. Lieutenant Thackery, 26th Native Infantry, killed at the siege of Jeytok; his tomb on the bank of a tank at Nalum. This measuremt is a lefty pyramid on a pedestal without any inscription; there are three other graves.
- In front of the Delhi Church is a massive marble cross, sacred to the memory of those who were massacred in May 1857.
- The Delhi magazine rendered famous by the intrepid Willoughby.
- John Nicholson's grave in the cemetery, Delhi, facing the Kashmir Gate.

Puntab.

- 68. Flag-Staff Tower, Delhi.
- 69. The monument on the Ridge, Delhi,
- 70. Monument and fountain in memory of General John Nicholson, who fell at Delhi, 1857, at Margulla, between Rawalpindi and Attock.
- 71. Memorial momment of the siege of Delhi, 1857; Delhi.
- 72. Battle-field monument at Mudki, Ferozpur.
- 73. Battle-field monument at Ferozeshah.
- 74. Battle-field monument at Sobraon.
- 75. Tomb of Sir Henry Durand at Dera Ismail Kluin.
- 711. Tomb of Lord Elgin at Dhurmsalla.
- 77. Monument in memory of those killed at Hissar in 1857.
- 78. Memorial at Montgomery of Leopold Oliver Fitzbardinge Berkely, Extra Assistant Commissioner, killed in 1857.
- 79: Monument over the bodies of officers kalled at Chatrian, Sirsa District, 1557.
- 80. Buttle-field obelisk at Guirat:
- BL. Battle-field obelisk at Chillanwalla, and graves of men who fell in 1849.
- 82 Battle-field obelisk at Aliwal, Ladhiana.
- 83. Monument erected in memory of Mr. Vans Agnew and Lieutemant William Anderson, at Mooltan, in the Fort.
- Equestrian Statue of Licentenant General Sir Mark Cubbon, Commissioner of Mysore and Coors (by Marochetti) in front of the Mysore Government offices, Bangalore, bronze.
- 85. Cenetaph of the officers who fell at the siege of Bangalore, 1792

In the Town

Hall, Bombay.

Bombay.

Mywore.

- 86. Statue of Sir Charles Forbes.
- 87... Statue of Hon'ble Mountstpart Elphinstone.
- 88. Status of Sir John Malcolm.
- 89. Statue of John, Lord Elphinstone,
- 90. Sitting statue of Mr. Stephen Babington.
- 91. Statue of Sir Bartle Frere.
- 90 Sitting statue of Mr. Charles Norris,
- 93. Sitting status of Sir Jamsetjee Jejeebhoy.
- 114. Statue of Lord Cornwallis
- Garden enclosure of the Ei-95. Sitting statue of the Marquisphinstone Circle, Bombay. of Wellesley.
- 96. Sitting statue of Her Majesty Queen Victoria on the Esplanude, Bombay,
- 97. Statue of the Prince of Wales.
- 98. Statue of Prince Albert.
- 99; Statue of the Hon'ble Juggranath Sunkersett, in the Fort.
- Statue of Sir Jamsetjee Jejeebhoy, Bart., Jamsetjee Jejeebhoy 100: Hospital, Bycuila.
- Memorial marble tablets of the officers and men who fell in the Afghanistan and Sind campaigns, on the walls of the apse and chancel of St. John's Church at Colaba.

102. Old Dutch tombs at Ahmedahad.

Bambay.

Hind.

- Monument in the wall of the town of Ahmadnuggur, naming those who fell at the storming of the city in 1803.
- Monument at Koregaum, near Poona, to the 2nd Bombay Grenadiers.
- Grave in Kanara of Lord St. Maur, son of the Duke of Somerset, killed in 1865 by a bear at Kirwatty, near Yellapur.
- Grave in Kanara of Lieutenant Carpendale, who died at Yellapur while surveying the Arbyle Ghant Road.
- 107. Memorial cross at Poona to Lord Frederick FitzClarence.
- 107a. Monument at Kawulkad, Kanam, in memory of Lieutenant John Edgar Leslie, Madras Native Infantry, who died in service on 20th March 1845.
- 1076. Tomb at Murkwad, Kanara, in memory of Lieutenant Mortlock.
- 108. Monuments at Aden over the officers and men who fell at the capture of Aden in 1839.
- Temb of John Thackeray, Collector and Political Agent, killed at Kittur in 1824, during the insurrection, at Kittur in Dharwar,
- Wooden cross with metal tablet bearing Latin inscription in the "Mula's Ward" of Surat—marks site of ancient Capachin Chapel.
- 111. Oxenden Mauseleum, Surat.
- Tombs at Surat of Gerahl Angier (supposed) Bernard Wyche,
 F. Breton, H. Gary, and B. Harris; former Presidents and
 merchants of Surat.
- 113. Tomb of Van Reede, Dutch President of Surat, and other Dutch tombs of same epoch, near the preceding.
- Tom Corynt's temb—old European burial ground, Swali, near Surat.
 - Vanx's tomb on right bank of Tapti, not far from its mouth
 —near Surat.
- Tomb of Brigadier David Wedderburn, killed at siege of Broach, 1772, near North-Western bastion of Fort Broach.
- Tomb of Captain William Sempil, killed at Broach, 1803, near village of Pejalpúr, Broach.
- Tomb of M. Français Montreaux, a Portuguese officer, who seems to have taken part in siege of Broach, 1803, near the Preceding.
- 119. Dutch tombs-about one mile west of Pejalpar, Brench.
- Tomb of Edward Cooke, with peculiar inscription, 1743— Tatta in Sind.
- 121. Old European burial ground on Bandar Road, Karnehi.
- Napier Obelisk (1853) in memory of Sir Charles Napier— Napier Mole Road—Karachi,

Sind

- 123. Monument bearing names of officers and men who fell on the battle-field of Miani, Haidersbad, Sind.
- Menument erected by Sir C, Napier to memory of officers and men, 22nd Regiment, who fell in Sind campaign—in Government House grounds, Karachi.

Raipulana

125. Bust and inscription at Ajmir of the late Colonel Sutherland.

Central Provinces 126. Monument and tombs in the Sitabuldi Hill Fort to the memory of officers killed at the battle of Sitabuldi in 1817.

British

- Graves at the Shive-Dagsu Pagoda, Rangeon, of officers and men killed at the storming of the Pagoda in 1852.
- Graves at the Botatoning Pageda, Rangeon, of officers and men who fell or died in the second Burnaese War, 1852.

Assam.

129. Memorial at Cherrs Punji to the memory of David Scott, B.C.S., Agent to the Governor General, who died 20th August 1831.

Madras.

- Equestrian statue of General Neill, 1st Madras Fusiliers— Mount Road; bronze.
- Equestrian statue of Sir Thomas Manro, once Governor of Madras, middle of island; bronze.
- 132. On the pande ground facing the Council House, stone canopy covering a large pedestrian murble statue of the Marquis of Cornwallis on a marble pedestal, decorated with groups of figures in alto-relieve, representing the surrender of the sons and suite of Tippu Sultan.
- 133. White marble statue of Sir Thomas Munro-Fort Church.
- Cenetaph to the Marquis of Cornwallis, enclosed by an iron railing cast from the cannon taken at the siege of Seringapatam, 1790, by the troops under his command—Mount Read.
- Cenotaph to Colonel Dalrympie—Parade ground, St. Thomas' Mount.
- Obelisk in memory of General Sydenham—St. Thomas' Mount.
- Granite column to Colonel Noble, C.B., erceted by the men of the Horse Artillery—St. Thomas' Mount.
- A half length marble bust (by Chantrey) to Colonel Noble,
 C.B., placed by the efficers, Royal Horse Artiflery, in the Church, St. Thomas' Mount.
- Madens Memorial Half—erceted by public subscription in memory of the Madras Presidency not joining in the Sepoy Mutiny of 1857.
- 140. "Lal Bagh" Seringapatam, a mausoleum built by Tippu Suitan for his father, and in which he also was buried. The folding decre, inlaid with ivery, were the gift of Lord Dalhouse, and the mausoleum is supported at Government expense.

Report on Monuments in Madras, together with a Note on Works undertaken.

Seven Pagodas, Vellore, Trichinopaly, Madura, Tanjore, Kombakonum, Chillambaram, Congeveram, and Bijanagar, dated 23rd June 1881.

Mahavallipur, or the Seven Pagodas.

The rock-out remains and ancient structural buildings at Mahavallipur are about 30 miles south of the city of Madras, and may be reached by the East Court Canal, which runs parallel to the sea-shore. My visit was paid in February 1881, when I carefully inspected these very remarkable and valuable monuments.

- 2. Various accounts will be found in "Descriptive and Historical Papers relating to the Seven Pagodas on the Coromandel Publications. Const," by W. Chambers (1772), J. Goldingham (1798), B. G. Babington, v.A.s. (1830), the Revd. G. W. Mahon (1841), Lieutenant J. Braddock (1840), the Revd. W. Taylor (1840), Sir Walter Elliot (1844). and C. Gubbins (1553), edited by Captain M. Carr, printed for the Madras Government, 1869,
- 3. They are also referred to by Mr. James Fergusson in his "History of Indian and Eastern Architecture," 1876, pages 184, 175, 326, 330, 274, 333; and again by the same author in Fergusson and Burgess' " Cave Temples of India, 1880," Chapters V, VI, VII.
- 4. Besides these, drawings, plans and sections have been made under the direction of Colonel Sankey, C.R., R.E., Chief. Drawings. Engineer, Madras; and Mr. R. Chisholm, Superintendent of the Government School of Art in Madras, has made a complete set of illustrations of the Rathas.
 - 5. Photographs have been taken by Dr. A. Hunter and Captain Lyon for the Madras Government; also by Mr. Nicholas of Photographs. Madras.

North-As at much good can be done by very simple remailies to preserve the great surjority of the semilerful mamments that I visited in Maires between the 20th February and the 7th March. I have thought it better to submit a periminary report. The sketches (which are taken from photographs), many as they are, give some also of the state and importance of the buildings. Later, I hope that distribed and accurate plans of the more important complex will be precised.

There are, generally, these classes of monomental buildings-

(1) These in the charge of Government.

(3) These the property of Natives or in their use for weaking.
(3) These in Native States.

As remarks the provision of funds, there are-

(1) Government grants.

(2) Public subscriptions.
 (3) Volumery exponentium by private individuals or out of undescenaria.

(4) Expenditure by Native raises in their sun States.

Natives of all creads voluntarily contribute large amounts for repairs to religious buildings, \$5., and the Trustees could not that some grown for the purpose are property faid out. Religious baldings with State embowments are national projecty, and as such chould not, I submit, be allowed to fail into therepair or to determine.

15

- 6. Mr. Adam, the late Governor of Madras, took considerable interest in Mr. Adam's laterest. Spent some days in their careful examination.
- 7. Mr. Burnell and Mr. Burgess agree in adopting the date 650 to 700 A.D.

 for the exercision of the rock temples and busreliefs; and the inference which Mr. Fergusson
 derives from this conclusion is that the rock-cut shiftees at Mahavallipur are the
 conflict known examples of the Dravidian style of architecture of Southern India,
 and their value becomes at once enormously raised.

The granite remains consist of-

- (1) The nine Rathus, or isolated temples ent out of the single boulder.
- (2) The thirteen caves excavated out of the rocks at Mahavallipur and two more at Saluvankappan.
- (3) The two great bas-reliafs of Arjuna's passance.

Besides these, there are several structural temples, the most important of which is the so-called "Shore Temple," which has long served as a landmark for shipping.

- 8. The accompanying sketch suspense takes from the revenue surveys of Mahavallipur and Saluvankuppan in Colonal Sankey's volume of plane and sections; and I have in the following notes adopted the numbers used in that map to indicate the monuments:—
- 9. No. 3, Pidaramman Ralia (unfinished),—A monolith, 23 feet high, with its upper half corved into a temple.
- No. 3, Pidarianman Ratha.—This is a similar monolith, and is 25 feet high.
- 11. No. 4, Valaiyan Kuttai Ratha.—This is a similar monolith, and is 23 feet high (see sketch).
 - 12. Nov. 2, 3 and 4 should be in custody to prevent conversion into a quarry.
- 13. No. 6, the "Alaira" or "Shara" Temple (see skotch).—This is a most remarkable monument, probably dating from the 8th or 9th century; and, if not the most early, is one of the best examples of structural primitive Dravidian architecture. Being on the edge of the san—numbed, in fact, by the waves—it has become much decayed by the action of the wind and salt water. Part of the building lies ruined in the surf, and a solitary pillar is left creat in the midst of fallen blocks of stone. My impression is that there existed a colonisms or perch in front, and that this column is part of the structure.
- 14. Colonel Sankey's volume has plans and sections of the temple; but it would. I think, be well to complete the survey for elevations and details, in order to show the position of the surrounding walls, parts of which are still traceable. Dedicated to both Siva and Vishnu, the main chamber of the building contains a broken lingam, and the vestibule has a reclaimly figure of Vishnu, 10 feet long. The stone masonry of the pagents is much broken and displaced, and should be residered scene and replaced.

The interior chambers should be elected out and the sand removed, so as to com-

Sand about also be removed to boy bare the outline of the scale which form the automost exclaimer.

The remonal of roots of ercepers from the roof is important.

- 15. No. 7, the Makeshawara Rock and Chamber .- Sitinted north of the Shows Temple and close to the sea. It should be statebed to prove at wiful damage.
- 16. Nor. 12, 13 and 14, the Finler and Emberman Templer.—Lie between the larger granite hill and the village. Being in use for Hindu worship, they are eared for to a certain extent, and name but Finders are allowed inside the sanctuaries. Colonel Sankey's volume contains plans and sections of the buildings, showing the interiors of the shrines and the subjects pointinged in the baserdiefs, and so supplies a want to which Forgusson draws altention (see page 158, Forgusson and Bargess' "Cave Temples of India").
- 17. No. 15, Krishan Mandapam.—This is partly a rock exercation and partly atructural. The bas-relief, representing Krishan with a group of gopis (hardones) and cows, is carved on the solid rock, and measures 10 feet long by 10 feet high. The roof over this rock sculpture is built of masoury, and gives access to a stream of rain water, thus destroying and wearing away the carriags, and covering them with below. The roof should be underwater-light, and the interior, as well as the carriags, thoroughly cleaned. The front row of colours should be filled in with a frame of galeunized wire acting, and the course filled with a wicket gate, under lock and key.
- 18. No. 16, an unfinished rock execution.—Interesting from an architectural rather than an architectural rather than an architectural point of view. One of the front columns is broken and the front half fallen away. The second row of columns has been bricked up for dwelling purposes, and should be eleved. The erre should be eleved and and kept in rushedy; and is order to prevent natives from domaging the interest by lighting their cooking frees, the front should be railed in with a stone valling or wall.
- 19. No. 17, the Great Blas-relief of Arjuma's Panasce.—One of the most remarkable objects of interest. It is carved on two masses of granute rock, measuring about 00 feet long by 30 feet average beight. Hotwoon the two rocks was the seepent statue of the Naga Raja. The head of the Raja, evershadowed by a seven-headed surpent, fell to the ground. This should now be obtained and securely replaced and made fast, not only to the body of the surpent, wheel is dill to position, but should be supported by iron bars let sate the two masses of rock. The base of the bas-relief requires clearing of sand.
- 20. No. 21.—A care with three niches, the centre one centaining a figure of Mahadeva, and the flanks having figures of Vishmu. In front of the cave, 24 feet off, is a circular cistern, No. 20, cut out of a solid stone and called "The Gopis' Churu." The front of the cave should be fenced to prevent descept.
- 21. No. 24, Ganesa Temple (see sketch).—This elegant Raths musture 20 feet 3 inches by 11 feet 4 inches, and is cut out of the mild rock. It is in his preservation, but should have the three front openings between the pillurs filled with frames of wire nothing to prevent the inner chamber being damaged by we are a dwelling or coal house. Its form and outline are found frequently in southern temples for gateways, but schoon for neural sanctuaries, as in this instance.

^{• •} It was evident that the braid of the Norm Raje had fatter from the account of its position, the stricts having placed it in the centre, where it could have a chade a balled it, but where it had no support. I consequently wrote to my friend be Hanner be try and start it. With the maximum of the their Maximus discretization with the required the small and found it tring where it fatt. I afterwards made applied that is the transition to the theorems of the required the small and found to the theorems and so give maximum to the whole that the transition of the theorems who toward from my friend its throughout following a total out it appears at only after smallessed and undeed to be carried out. I fair from photographs recently remarked in appears at only after smallessed and undeed to be carried out. I fair from photographs recently remarked in appears at only after this last out been done, but that the last has been transmit from where it originally sines after the recovery."—(Boyerses)

22. No. 25, Fishware Care (see sketch).—The interior of the cave measures 20 feet 6 inches by 8 feet 6 inches, and has, amongst other subjects, bas-reliefs of the Boar Avatar and one of Sri Lakshmi, sented on a lotus flower with elephants pouring water over her. The openings between the columns should be filled in with feasies of wice netting, and the feast cleared of dibers. On the occasion of my visit stress-blacking had been going on dangerously near, and one huge boulder had been precipitated close to the sculptured cave.

Quarrying should be absolutely forbidden.

- 23. No. 27, the Rayala Gopuram.—This is on the hill overlooking the village temple. It is an unfinished porch of brick and stone, and is surrounded by a good deal of scrub jungle, which might with advantage be outrooted.
 - 24. No. 28, stone couch with recumbent lian as a pillow.
- 25. No. 33, the Mahishawardini Mandapam.—The sculptures in the cave, which measure 32 feet by 15 feet, are spirited. At the south side is a bas-relief of Narayana or Viahnu resting on the head of the sauke Sesha.

At the north side is a representation of Mahishasura and Durga in strife.

In the back are three cells, the central one having a lingam. One of the four front pillars has completely fallen, and might for appearance sake be replaced, but the rock above is so massive that there is no actual need of support. The sculptures should be closed, and the front openings closed with frames of wire netting.

- 26. No. 34, the Iswara Temple.—A structural temple, 56 feet above No. 32, in the summit of the rock. It rests on a foundation of brick-masonry, but the superstructure is of stone. The roof has fallen in, and the debris ought to be cleared away from the interior. Creepers should be outcoded from the masonry, and access made easier than at prevent, as visitors have to arranble over slippery rock to reach the building.
- 27. No. 35, Farahawani (Vishun) Temple—Colonel Sankey's drawings illustrate the bas-reliefs of the interior, and confirm the description given by Fergusson (page 147, " Cave Temples of India"). This cave is inaccessible to any one but Hindua.
- 28. No. 37, Draupadi's Ratha (see sketch).—This monolithic temple measures 11 feet square and 17 feet above the present sand-level. The finial which surmounted the roof has fallen, and may probably be found in the sand, which should be removed so as to lay have the plinth down to its base.
- 29. No. 39,* Arjana's Ratha.—A monolithic temple measuring 11 feet 10 inches each way, and has a small perch 10 feet 6 inches by 3 feet 9 inches. Its total height above the floor-level is 21 feet 6 inches. It should be cleared of the sand which now conceals the plinth.
- 30. No. 41 A., Nakula and Shadeva's Rath (see sketch).—Is a monolithic building with an apsidal termination. The whole, including the perch, measures 20 feet long by 11 feet 4 inches, and the height above the ground 20 feet.

[&]quot;(Now went at) "Speaking of these flashes, Mr. Fergussen ways: "Although these two lastturned thelies are authoristly interesting as compute of the patient labour which the Indians have at all these been prepared to speak on their religious edition, their true value, in so far as the instery of In the straintness of a second, line in the fact that they are the only known specimens of a form of Braddhet architecture which prevailed in the north of finite for probably known specimens of a form of Braddhet architecture which prevailed in the north of finite for probably known specimens of a form of Braddhet architecture which prevailed in the north of finite for probably known specimens of a form of some cold, and they are the incurations of the analysis temples where were created in the small of furths during the LOM years that have staped since they were undertaken."

- "The great interest of this Ratha," says Mr. Fergusson, " lies in the fact that it represents, on a small scale, the exterior of one of those Chaitya caves which form so important a feature in all the western groups, but all of which are interiors only, and not one so completely excavated as to enable us to judge of what the external appearance may have been of the constructed chaity as for which they were copied." This building should be cleared of sand.
- 31. No. 42, Bhisso's Ratha (see sketch).—This is the largest in plan of the group of monolithic temples at Mahavallipur. It measures 48 feet 3 inches by 25 feet 9 inches, and is 26 feet high above the floor-level. It is interesting as representing the type of the early Buddhist halls; but being the capp of a wooden building, its excavated substructure was unequal to the support of the wooden building, its excavated substructure was unequal to the support of the wooden mass of material above, and a large transverse crack occurred obliging the work to be abandoned. For this crack there is no remesty that I can think of the work to be abandoned.
- 33. No. 43, * Dharmaraja's Ratha (see aketch facing page 15).—Is the highest of the group, but, like everything else, is unfinished. In plan it measures 20 feet square and is 54 feet 9 inches high without the finial, which has fallen down, and, if found, should be replaced.
- 33. After the sand has been removed from the temples and monoliths Nos. 37 to 44, it would protect the manuments to surround them with a substantial wall so as to prevent the sand from drifting back.
- 34. In the case of cases 44, 46, 48, 50, 51, and 52, we are should be taken to prevent the interiors from being need as dwellings, cook-houses for fishermen, or cattle-sheds; and this can only be efficiently done by fencing round the entrances so as to prevent access to any but authorized persons.
- 35. Unless the areas, in which quarrying is to be limited, can be churly defined by substantial walls, it would be better to quarrying.

 issue an absolute prohibition, which would be more likely to be strictly complied with them any partial restriction.
 - 36. A native custodian should be always on the spat to prevent damage or maltreatment, and to counce this thece were would have to be appointed in order that a proper relief

may be observed.

Velur or Vellore.

- 37. Velue is reached vid Arconum Junction by the Madras Railway, and is 80 miles from Madras. The town and fort are nearly 4 miles from the station. The fort, surrounded by a deep ditch, contains a most remarkable pagodis, which I visited fort, surrounded by a deep ditch, contains a most remarkable pagodis, which I visited on the 18th February 1881. It is dedicated to Siva, and consists of two rectangular enclosures, each with a goparam or gateway. The outer gopuram has eight has enclosures, and is 100 feet high. On each side of the entrance are two dearpais, or parties storeys, and is 100 feet high. On each side of the entrance are two dearpais, or parties of blue granite. The lower part of the goparam is chicared by earth, the occurs of blue granite. The lower part of the goparam is chicared by earth, the occurs of lation of which should be enmoted in order to make perfect what has been a well done to textue the buildings inside the temple from waltreatment (see sketch).
- 38. The interior colourades are picturesque and effective objects in themselves; but the gem of the whole place is a stone pavilion to the left as you enter through the gopuran from the outside. It is Kalyan Mandapan. called the "Kalyan Mandapana," dating from A.D. 1350, and is a remarkably beautiful and elaborate editice. The figure carvings,

which are most appropriately applied to pillare, plinths and ceilings, are, together with other ornaments, chiselled with the most consummate skill and effect.

- 39. The front row of columns-six in number-are monolithic, toposenting rearing horses, griffins, and elephants. The partico or untechamber has a wonderfully carved and painted ceiling of stone. Beyond this is the sculptured support for the idal.
- 40. This building, as well as all others in the pagoda enclosure, was, until quite recently, partitioned off, whitewashed and Late repairs. bricked up to sait the requirements of an arsenal store. Owing to an order of the Duke of Buckingham, this has all been remedied, and Captain McNeil Campbell, a.E., Executive Engineer at Value, has most skilfully rescued the whole of the paroda-removed tens of earth from the floors of the enclosures, pulled down all the unsightly partition walls, and cleaned the Kalyan Mandapam (see sketch) from top to toe of its unsightly whitewash. The place, with its marvellone semlptures, showing predigious labor, is a complete atady of Southern art, its restoration being a work of the most creditable kind. Captain Campbell has some plans showing what the arsenal enclosures were, and how they blocked up the pugoda corridors and buildings.

Trichinopoly.

- 41. Trichinopoly is 252 miles distant by milway from Volur, and situated on the river Kaveri, about half a mile from its banks. The Muhammadans call it "Natar Nagar," from a saint "Natar," whose tomb still exists and is described further on. Trichinopoly possesses considerable historical interest, having played an important part in the war between the French and English; and the house below the great Trichmopoly rock in which Clive lived is still shown.
 - 42. The principal monuments are-

The rock, 236 feet high, and its tamples.
 Toppa-kulam, or tank, at the foot of the rock.

(3) Fortified pagoda at Wynoundan Tirumali,

(4) Tomb knowe as " Chanda Sahib's."

(5) The Dac-ul-Umara, Palace of the Nawabs of the Carnatis and mosque.

(6) Tank where Bishop Heber was drowned.

- (7) The great temple of Srirangam. (8) The temple of Jambukeshwar,
- 43. I visited the above mentioned buildings at Trichinepoly on the 17th and 20th February in the order in which they are named. Mr. Sewell, the Collector, gave me every facility, and very kindly accompanied me to the halldings.
- 44. No. I, the rock of Trichinopoly and its templer. Previous to the order given in 1845 to demolish the campacts, the rock formed the citalet of a birgo fort, one mile long by half a mile while. Now the fortifications are demolished and only those of the rock remain.
- 45. To ascend, a very picture-spacegallery has to be traversed with columns of gratosque carvings (covered with whitemanh, which should be removed) (see sketch). Higher up is the mondapers or autochamber of a temple to Siva. The steps of the ascent caused a frightful dispeter to a panio-stricken around of Hindu worshippers in 1819. Passing up higher still over steep steps out on the rock is the temple to Ganesh on the summit. From the wrandah a fine performic view may be laid of the sorrounding city and country, and its elevated position-some 236 feet-commands the plain for over 20 miles. The destructive influence on temples and

their approaches are dist, whitewash, and leaky roofs; and until means and found to systematically clean out the offensive dist, to remove all traces of the distinguising whitewash, and to keep the roof secure against rain, this must picturesque spot will gradually less its attractions.

46. No. 2, the Trppa-kalam.—At the foot of the rock to the west is a fine tank with steps down to the edge of the water. In the centre is a standards of pillared porch. The houses round the tank were once occupied by Enropeans, and

one is pointed out as having been Clive's residence.

- The lank and its central mandapum should be kept in repair. 47. No. 3, fortified pagoda at Wyacandan Ternmeli (see diagram) .- Wyacundan is a village on the road between Trichinopoly and Allitural, and about 3 miles from the former. The fortified pagoda in the village was occupied by the Prench in 1755, and recaptured by the British troops under Major Lawrence. The necompanying rough diagram, which I made in February last, shows the disposition of the walls and the position of the circular bastien, the raised terms of which supports the various temples. The different gateways or gaparans are covered with inscriptions which remain to be translated; but, as far as I am aware, nothing is known of the history and date of the buildings. The districts of Madura and Trichinopoly were constantly devastated by the incursions of the Muhammedans, and it is probably due to this that the pageda was fortified and mude a stronghold. The possible design renders the place specially interesting, and its more modern associations make it interesting, imtopendent of its architecture; so that even if the elucidation of the inscriptions brings no fresh facts to light, the place is worth preserving. A moderate sum sould permit of the removal of destruclive words and creepers, and of the eradication of whitewark from the manney of the carious structures.
- 48. No. 4, Chanda Sahib's tanh.—The remains of Chanda Sahib (murdered in 1752 by Manikji, who commanded the Tanjore force in alliance with the English) are interred at the shrine of Natar Aulia. The temb of this latter suint has the appearance of having been converted out of the materials of Hindu buildings, and may have been exceed about the time of the invasion of Malik Kafur, who came from Delhi in A.D. 1810.
- 40. Be this as it may, Natar Aulia is a person of great local sanctity, and is said to have come from Constantinople many hundred years ago.
- 50. Chanda Sahib built the dome of the edifice. The milings round the two tombs in the building are of pierced metal-work of very singular design. The tombs in the building are somewhat tooked after by the Makaumadans of the town, but greater buildings are somewhat tooked after by the Makaumadans of the town, but greater pitcuits is much wanted to ordinary repairs. The

Mustrations required.

In tomb and ets surroundings are worthy of illustration as early examples of Mussalman architecture in Southern India.

- 51. No. 5, the Paters of the Novabs of the Caractic.—The palaces and gardens at Trichinopoly [known as the "Dar-ul-Umara"] were built about A.D. 1660 by Choka Nayakkan, when he removed his capital from Madura to Trichinopoly.
- 52. The buildings and grounds became the property of the Nawabs of the Carnatic; but the estate was bought by Government in 1860, and is now in process of conversion into district offices. The more the palace buildings are utilised and of conversion into district offices. The more the palace buildings are utilised and occupied, the better chance will then be of preserving them and proventing their scaupied, the better chance will then be of a clumay Saracenic kind, the plaster curichments of the Audience Hall being the best features of the tyle.

53. The mesque near the palace was built after A.D. 1725, and is architecturally unremarkable compared with Saraesnie buildings further north. As an arample of the Southern eigle, it is, however, morthy of botter custody and beeping in order,

54. No. 6, the lank in which Bishop Heber was drowned .- Near the house in which the Judge of Trichinopoly holds his court is a small open tank in which

Bishop Heber was found dead on the 3rd April 1820.

55. I would suggest that a bears tablet put up to mark the spot would be a filling memorial.

56, No. 7, the Great Temple at Srivangam (see diagram) .- The following description of the temple at Scirangam is taken from Moore's Macual of the

Trushinopaly District:-

- "The entire mass of building consists of seven enclosures, in the centre of which is the shrine of the divinity known as Ranganudaswani. This shrine is surrounded by a wallmeasuring 245 feet by 180 feet; the second enclosure is 421 feet by 301 feet; and the third 759 feet by 510 feet. Europeans are not allowed to onter these enclosures. The fourth, in which is the 1,000-pillar mandapam, to which the great idol is brought every year at the great festival known as Farkants Ekaden, measures 1,243 feet by 865 feet. Over the gates at the entrances to this enclosure are three gopurams, of which the eastern is the finest in the whole temple. It is known as the "cellai" or white groumm, and is 146 feet 6 mehrs in height. There are altogether fifteen gopurams in the entire group of buildings. Of these there are four in each of the three outer walls and three in the one next in order. There is at present no gate or gopuram on the western side of this enclosure; but tradition states that there was a gate there formerly, but that it was blocked up because a number of the inhabitants of the portion of the town near it had entered through it and plundered the pag da. The gate over which is the rellar goparam leads into a yard to the south of the 1,000. pillar mandapam, in which the only respectable specimens of stone carving in the temple are to be found. Even these, however, are by so means remarkable, and are not for a moment to be compared with those in the great pagoda at Madura. During the annual fastival, which has been already mentioned, this yard is covered by a pandal creeted every year at a cost of about Rs. 3,000.
- "Running round this (fourth) enclosure there is a street in which there are ardinary dwelling houses and shops. The fifth wall measures 1,610 feet by 1,307 feet. Outside is a second street, and then a wall of 2,100 feet in length by 1,845. fort in breadth. This wall is surrounded by a third street, and then comes the seventh and last wall, which measures 2,000 fast by 2,517 feet. This wall is built of fine cut stone, and is 20 feet 8 inches in height and 0 feet broad at the top."
- 57. Srirangam is over 4 miles from the Trichinopoly civil station, and is on an island formed by the Kaveri and Kolerun rivers. The sketch shows the appearsome of the temple surlasures and gateways from the top of the unfinished guteway of gopuram to the south. The diagram explains the general disposition of the temple buildings; but nothing can be accurately or satisfactorily specified for the measures necessary to their preservation until a

Servey required. regular survey has been made of the whole area. For this purpose I intend sending a party of surveyors. In the meanwhile it may he useful to note the most interesting parts of the temple and what struck me as necessary at the time for their proper conservation.

58. The income reaches Rs. 60,000 a year, and out of this the cost of regains could be afforded. The unfinished gopuram (A) measures 170 feet by 114 feet. The four gate posts are each of a single slab of grante, 36 feet high and 3 feet

[.] Mr. Grant Duff has refered the track to be required and enclosed by a railing.

square. Had the gate been finished it would have risen to a height of about 300 feet. As far as it has got, the design is in excellent taste and well proportioned. Its completion would add enormously to the architectural appearance of Strongum, and there are many rich native gentlemen who could well afford to bear the cost (see

The vegetation which is damaging the mosonry should at all events be sketch|. removed, and the roof should be readered secure against title.

The next object of interest is the gopuram (at B), which has a paintel coiling with the hour incarnation of Viahnu and other subjects. The colours are good, and should be preserved by cleaning and covering with a hard transparent

varnish. The mandapam (at C) is where the temple jewels are shown to visitors. Photographs munical of the temple. Some of them are very, fine specimens of graidsmith's work, and should be photographed. The 1,000-pillar mandapara (which, I think, is correctly placed at D) has columns of single blocks of granite, all more or bes elaborately curved, and the whitewark which covers them ought to be removed.

62. The finest gopuram is that (at E) called the vellai gopuram. With the exception of a few repairs, it is in fair combition.

63. The Temple of Jambakoskwar at Srieungam (see diagram No. 8) .- Aliont If miles from the great temple to Vishnu is the pagoda sacred to Siva and although much smaller, it far surpasses the larger building in beauty and architectural dignity. There are many inscriptions on the walls of the temple, one dated A.D. 1481-82, which, if correct, makes the edifices of much earlier date than supposed by Mr Fergusson. Until the archivology of Southern India line been scientifically investigated, the dates of buildings cannot be fixed with any degree of certainty, and there is nothing save the architectural styles from which to formulate chronological data.

64. The Trichinopoly Manual by Moore states that this pegoda had an endowment of 64 villages in 1750; but in 1851 an annual money allowance of Re. 9,450 was given in hea of the lands, and this sum is paid every year to the Trustees. The building is in many places much ruined and filthily kept; and, as Mr. Moore remarks, "the funds available for its maintenance would be quite sufficient to losep it in good order if they were devoted to their proper object; but this, it is needless to state, is not the case."

Mr. Fergusson, who visited Stirangum many years ago, writes: " One of the great charms of this temple when I visited it was its parity; neither whits: wash nor red nor yellow paint had then sullied it, and the time stain on the warm coloured granite was all that relieved its monotony; but it sufficed, and it was a relief to contemplate it thus after some of the vulgarities I had seen. Now all this is aftered. Like the pagodas at Ramisseram, and more so thiss at Madura, barbarons vulgarity has done its worst, and the traveller is only too fully justified in the contempt with which he speaks of these works of a great temple which have fallen into the hands of such unworthy successors,"

66. Lam not in a position to give an assurate description of the various measures necessary to preserve this huriding, and cannot do so until a survey has been made in Survey neo-sory. detail; but the place might easily he kept clean, and the whitewash should be removed from all sculptured manney. I was much struck with some of the sconden galeways of the gopurams, which are hundarms in design; but these have been greatly small by being plastered veer. The proper way to preserve wood is to keep it clean with surp and water, and to periodically all with some vegetable oil and tharoughly rub dry, so as to prevent dust from collecting and caking on the surface.

Madura:

- 67. Madura is one of the most interesting places that I have been to in India. The pseudorities of Dravidian art are more marked here and more grotesquely elaborate than in any other Southern city that I know of. The great Hindu pageda is a mass of picturesque gateways and temples; magnifecent and grand in general effect; whilst their stone sculptures are misurpassed for finish and marvellous elaboration. This cannot fail to be the impression produced on every attentive spectator. The temple buildings are, moreover, not deserted like as many of their class throughout India, but are at all hours through with Brahmins, wondrippers, huyers, and sollers: in this respect rivalling the body religious spectacles which rapidly succeed one another at Benares.
- 68. The activity of Hinduism, both in its religious and artistic aspects, is of the first interest at Madura. A secondary feature of the place is the architectural style of its place.
- 69. "The civil buildings," writes Mr. Ferguson, "are all in what we would call a pointed arched Moorish style, picturesque in effect, if not always in the best taste, and using the archievery where and for every purpose." In the temples the arch is never used as an architectural feature. The distinction between the civil and religious art kept up at Madura, as elsewhere, by the Dravidines is very singular and interesting to study. My visit in February last was unfortunately far too short to permit of sufficient examination of the buildings; but before making a survey on which to have detailed recommendations for conservation, it will be of a me value to briefly record what I did see and what are in my equation the more simple and obvious remedies.
- 70. Mr. Stokes, the Collector, afforded me every facility for visiting the temples and pulsess; and without his help it would have been difficult to see inverything in the time at my disposal.
- The great temple at Madera (see diagram).—The invasion in A.D. 1310 of Southern India by Malik Kafur caused the overthrow of the original temple, built probably some conturies before Christ.
- 72. The present edifices were for the most part built by Trimal Nayakka in the first half of the seventeenth century. The enclosure is a rectangle, measuring 869 feet long by 747 feet wide. The diagram gives an idea of the various parts of the building. There are two temples in the centre—one definited to Siva, i.e., called Sundereshwar, and one to "Minakshi," the fish-eyed goldess, the consort of Siva. These sanctuaries are said to date from A.D. 1520, but the more magnificent buildings are of Trimal Nayakka's time.
- 73. The enclosure possesses four large gopurans or gateways and six of less importance; a beautiful tank called the Potraman-culam (i.e., for the purpose of drawing a teppass or lighted raft in procession round it), surrounded by a hand-some colonnade; and a half of 1,000 pillars with sculptures of singular merit anaqualled elsewhere in India.
- 74. Some of the figures carved against the pillars are not only spirited in action, but of superior rendering. The whitescash now on them should be removed at any cost. Outside the principal enclosure of the temple to the east is the hall or mandapam built by Trimal Nayahka for the reception of the deity of the Temple (see B). It measures 321 feet long by 79 feet wide, and consists of four ranges

of columns, all most elaborately sculptured and some with rampant "Falis," or monsters, and others with human figures (see sketch). Detailed illustrations would be valuable.

The effigy of Trimal Nayakka is in the central corridor, with a canopy over it;
the figure is brilliantly painted. At one end of
the central corridor is a handsome black brightin
stone canopy. The half is used as a market, and is very dirty and seglected. It
should be cleared out, cleaned, whitewest removed from pillurs, and the roof and
parapet repaired. At the east end of the half is a gateway communiced by Trimal
Nayakka (see A), but never finished; it measures 174 feet by 107 feet, and if completed would have been the most important gopuram in Southern India.

- 75. The great goparam (see sketch and C in diagram), which is the principal entrance to the temple, has an elaborately curved stone base, and a superstructure of masonry and plaster, nine storeys in height, covered with the most intrinsic ornaments and figures.
- 76. The plaster is painted in brilliant colours, but at a distance the general tone is neutral, and not by any means inharmonious.
- 77. The entrance to "Minakshi's" temple is to the south of this gate, and its chalcentely painted façade of plaster ornamentation and figures is a most plastic esque object, although grotesque in detail. Between the two gateways is a row of braziers' shops, where braze vessels of excellent shapes are made.
- 78. The wooden doorways of the great gapuram (C) and of other entrances to the temple are handsomely curved, and the wood-work should be preserved by cleaning and oiling. The two entrances of the temples (at G and H) have archively of brass handsomely designed for the reception of numerous candles.
- The carved stone figures in Sandareshwar's temple (at K) are larger than life and spirited. They require Leaping clean.

The wall (L M) at the back of the two temples is covered with inscriptions.

- 80. The columnde of the tank (at E) is brilliantly painted, and there are some representations of the most famous Indian pagedias.
- Near the number now used as a banner (at O) is a black stone with inscriptions.
- 82. The pagoda is very wealthy: has an endownment from Government, and receives frequent gifts of great value from its wornhippers. Repairs were going on during my visit, and the place is evidently vered for and work money spent in readvations; but the halfs should be kept clean and the carmed pillars and veirings should be freed of whitemash. Until this is done, no wealth of gifts spent is painting the exteriors of the various goparsons will prevent the deterioration of the singular artistic merit of this wonderful pagoda.
- 83. The temple fewels, which are of connderable value, should be platted graphed.
- 84. The Toppa-Sulan Tank.—This tank measures 995 feet long by 742 feet broad, and has a central garden, with a sime sub in the contre and four partitions at the corners. The wall which fences in the tank is much defaced by stripes of red and white colour.
- 85. Trimal Nayakka's Palace. About one and a half miles from the station is the Palace of Trimal Nayakka. He came to the throne in A.D. 1025, and

reigned thirty-six years, during which time he built the Madura pagoda and palaces.

- 86. The diagram will give some general idea of the arrangements of the latter, although it has no pretensions to accuracy. The sketch shows the interior courtyard and its surrounding areades.
- b7. Passing through the portion erected to Lord Napier on the east side, the quadrangle is entered. The pillars which carry the arches are of masonry, and the foliated brick arches are of chunam. The wagon loft seen in front (see sketch) has been repaired under Mr. Chisholm, and the whole of the buildings are gradually being restored to serve as offices for the Judge and Collector; but unless more rapid progress is made, the rained portions of the buildings stand a very fair chance of coming down altogether.
- 88. The height of the massive columns gives great dignity to the building, and the plaster enrichments, both inside and outside, are very remarkable and effective specimens of their class.
- 80. It is difficult to believe that the grotesque and elaborate architecture of the pagoda, and the plain and almost classical treatment of the palace buildings, are of one period and erected by the same man.
 - 100. Details are wanted of the latter, which are fine examples showing the influence of Musiciana art on the indigenous architecture of the South.
- 91. The Tambam.—The "Tamkam" is a palace building of the same period excepted for wild beast tights. It is now transformed into a residence; but the interest which attaches to its original use is sufficient reason for keeping it in substantial repair.

Tanjore.

- 92. The Great Pageda.—I am indebted to Mr. E. Forster Webster, the Collector, for very valuable aid and assistance during my stay at Tanjore, which enabled me to see in a short time the buildings here noted on.
- 93. Tanjore is 31 miles from Trichinopoly by the South Indian Railway, and is the head-quarture of the richest Collectorate in Southern India. It became the capital of the Chola Kings, who were powerful in Tanjore, several centuries ago, and a very remarkable temple was erected by these rulers.
- 94. "The great temple of Tanjore," writes Dr. Burnell in his pamphlet, "is really the most remarkable of all the temples in the extreme south of India; is one of the oldest; and as it has been preserved with little alteration, if not perhaps the largest, it is the best specimen of the style of architecture peculiar to India south of Madras. This style arose under the Chola (or Tanjore) Kings in the 11th century A.D., when nearly all the great temples to Siva in Southern India were built, and it continued in use in the 12th and 13th centuries, during which time the great temples to Vishnu were exceted. Up to the beginning of the 16th century those temples remained almost unchanged; but at that time all Southern India became subject to the Kings of Vijayanagara; and one of these, named Krishnaraya (A.D. 1500-30), rebuilt or added to most of the great buildings of the South. The chief feature of the architecture of this later period is the construction of the enormous generals which are so conspicuous at Conjeverant,

Chedambram, and Srirangam. All these were built by Krishnaraya; they do not form part of the original south-east style, but were intended as fortifications to protect the shrines from foreign invaders and certain plunder and description, as the Hindus of the south-east first discovered on the Muhammadan invasion of A.D. 1810.

"To the archeologist the temple and its ritual are of little interest compared with the inscriptions which cover the walls. A part of those was photographed in 1859 by order of Sir C. Trevelyan and published by the Government, but with ut result. In 1871 I made out the character, and the whole has been copied, under my direction, by a learned Tamil scholar, Madura Muthai Pillar, whose transcript will shortly be published. Nearly all of these inscriptions—there are only two or three of a later date—belong to the reign of Vina Chéla, or from A.D. 1064 to 1114.

- "The whole of India, which in the 11th century remained subject to Hindu kings, then became subject to Vira Chola, and he was, beyond doubt, the greatest Hindu king known to history. As these inscriptions state, he did not spare the kings he conquered; and the enormous plander which he gained became the chief means of building and endowing the great temples of the South."
- 95. The services of the great Tanjore temple are conducted on a modest scale, since it has lost its large revenues, and it is dependent on the Princess of Tanjore, who provides an annual sum of Rs. 12,000 for maintenance and repair.
- 96. The plan of the pagoda has greater stateliness and propriety than seen in other Madras buildings of that class, and the appearance of the various edifices is not marred by being too close together.
- 97. On entering through the two gateways at the east end of the enclosure (see diagram) there is a small temple (C) where sacrifices are offered. A great deal of whitewash and paint disfigures the stonework. The great bull Namii, in solid granite, over 12 feet high, is directly in front and covered by a mandapam, the masonry of which has been rudely painted in yellow and red, which is offensive. Further west is the great Vimana containing the linguin, and its tower, 200 fest high, stands out well against the sky (see sketch). The base of the building is covered with inscriptions in the old Tamil of the 11th century, and one of them records the conquest by Vira Chola of Bengal and Northern India. Prequent repairs have been excented to the temple and its great tower, but it stands is used of being cleaned of the stripes of paint that damage the plints.
- 98. To the north-west of the enclosure (at D) is the beautiful temple to Subrahmanya (see sketch); the base of the tower is 45 feet square, and the superstructure 55 feet high. The pilaster and pillar treatment of the façades is as good as possible, deserving detailed illustration. East of the tower is a building 50 feet long and a mandapam beyond, 50 feet square. This latter is partitioned up for storing temple furniture, and on the walls are a series of paintings of the Tanjore Rajas. Dr. Burnell considers the building to be about 350 years old. East of the Subrahmanya shrine is a Chandikasan temple (H), and further cast a small temple to Darga. In the south-west corner of the enclosure is an unimportant temple to Ganesa. The colourade of the outer wall has 108 lingame and shrines, and the inner walls were in 1875 painted in fresco to represent the various incarnations of Sundereshwar, the form Siva took at Madura.
- 00. I recommend the eradication of all whitewark from the limitlings, that their rough be kept in substantial repair, and that the manufapam to the Subsahmanya tempte be eleated out and left as originally designed. Illustrations of the tempte would be valuable.

- 100. The Tanjore Palace.—The palace of the Princess of Tanjore stands in the greater fort, and is a mass of masoury not very different in style from the Madura palace, but commoner and more valgar. The Durhar hall is a most grotesque rendering of Hindu and Muhammadan architectural features, and, if not beautiful, is a carious example of the civil architecture of the Mahratta rulers, and should be preserved. There is a statue in white marble, by Chantrey, of Sharfoji, the last Raja but one. The court round the hall is decorated with black and white ornament resembling Italian Sgraffito work, and en one side is the library which contains an unique and valuable collection of Sanserit manuscripts, of which Dr. Burnell has made the catalogue. Among them are works on architecture or "shilpishustens," a translation of which would be a most valuable contribution to Indian art.
- 101. The Mahratta hall of the palace was under repair during my visit. The interior is painted brilliantly, and there is some coloured statuary in the upper part, which is well executed, although not in the best taste. Plans and illustrations of the palace buildings would be interesting.

Kombakonum.*

- 102. Kombakonum is a town in the district of Tanjore and possesses two important Hindu temples. The larger of the two is dedicated to Vishnu and the smaller one to Siva; both buildings are in the centre of the town, about a mile from the railway station on the South Indian Railway. There is a third pageda of less importance.
- 103. Fisher Pagoda.—The Vishen temple has a great gopuram of 12 storrys and 147 feet high, richly ornamented with human and animal figures. Near this is a small perch and two processional cars of carved wood and intricate in design. One is of great size and elaboration. The ceiling of the gopuram of the temple is well painted and pleasant in tone. The interior buildings are nothing remarkable. The inner court measures 88 feet 6 inches by 55 feet 6 inches, and, beatles having offensive odnars, is the cally treated with sed and while paint, against which the scales of local authority might with propriety be reased.
- 104. Sirst Pageda.—The temple to Siva, called the Kumbheshwara pageda is approached by a corridor, 330 feet long and th feet wide. There are shops on both sides, and this gallery is the most singular feature of the place. The principal gregarian is 128 feet high, and leads to a court 83 feet by 55 feet. This is very dirtily kept, and the vimanah bricked up and phostered. Outside the temple are four wooden cars, all more or less covered with carvings in wood. These exist are singular forms of native religious art, and the carvings are very good of their kind. Unfortunately, and in too many instances, the beauty of the carving is atterly destroyed by coatings of oil, which with dust coagulates and forms a land and hideons coating. A copy of one of these temple cars would be a valuable addition to the India collections at South Kensington.

^{*} The Homographic Americanti Secher Sastri, C.S.L., who resides at Nondakomus, takes great interest in the one-less Madous a chilecture, and I had a long and most profinish conversation with him. He pointed out now the Sinetras sujoin Himles to attend in the avent charities or Diarrams of (I) tempinishing, (2) foundation of training cillages, (3) tank expectation, (4) well-sinking, (5) plantal so of singly grows, (6) erection of drinking foundation, (7) familing of "Chairman" for the five distribution.

- 105. The Ramaswamy temple has only one generate leading into the enclosure. The columns of a mandapsim here are massive and well exceed. The areal whitemanh and plentiful cubbish and dirt leftle the place.
- 106. The moulen gateway of the entrance gopuram is handsomely carried, and the only remaining half of it is morth preserving by repair, cleaning, and alling.

Chillambaram

- Pagoda.—Chillambaram in South Arest on the South Indian Railway has a pagoda of considerable antiquity and interest.
- 108. It covers an area of 39 acres in the centre of the town, and is the property of a class of Brahmins called Dikshatars. The South Arost Manual by Mr. Garstin, of the Madras Civil Service, says that in 1878 there were 253 married members of the institution who were on duty, twenty at a time, and such batch stays on duty for twenty days until each has performed service at the various shrines. These Dikshatars go in turn into the country to collect alms and wander over the whole of Southern India. The pageda possesses no landed endowments, but money seems forthcoming, and I was told that nearly two lakes of rupees had been promised for repairs. In A.D. 1785 a wallow is said to have spent two lakes in repairing the gopurnus after the French occupation and partial fortification. The paged has a reputation for great antiquity, some authorities going so far back as the lith century; but from the tyle the greater part of the buildings dates from the 15th to the 16th century A.D.
- 109. The sketch diagram explains the disposition of the various baildings which are within the enclosure.
- 110. The principal temple to Siva (at A) is nothing very remarkable. The treasury, which is within the second enclosure, has some fine wooden carvings under the caves of the copper roof. The Govindah temple is also here with its mandapan, which, like everything else worth looking at, is whitewashed and therefore defaced.
- 111. At the back wall of the temple is an inscription in Sanscrit. The 1,000 pillar mandapam (at B) has some fine and massive monolithic pillars about 2 feet square in section and 14 feet high. Some of these are unfinished and some damaged. The roof over the centre nave of pillars is vaulted and full of bats, the floor below being black with their dung.

112. The temple to Subrahmanya (at C) has the best carvings, and its colounade is most elaborate. The stone-work is said to have been much mutilated by Hyder Ali when his troops were in occupation.

113. The large elephants on each side of the entrance steps are curved in a spirited way. The columns of the temple, which are well worth drawing, are partly disfigured by plaster. The interior has a vanited roof. Repairs have to a certain extent been executed, but the courtyard of the temple is still strewn with broken fragments of carved masonry which should be collected and displayed (see sketch).

114. The temple of Parvati (at D) has a colourade or porch of handsoms pillars, but whitewash spoils the effect of the carvings, and damp has discoloured the painted ceilings. The inner temple is much defaced, and full of bats and dist. Cleaning sends do great good here, and dist and whitewash should be removed. The roof too should be made proof against rain.

115. The west gopuram (at E) is architecturally the least important (see sketch). It has an inscribed stone in the entrance. The gopuram to the east

(at G) is the highest and best preserved. Outside this are five curved wooden care, findly designed and executed; one is said to have cost Rs. 4,000.

TIL. The north gopuram (at H) is the second in size. Vegetation is at work on the lower part, and ought to be removed and damage stopped.

117. The niches in the basement have figures in black stone well sculptured. The upper part of the structure is of brick and much ruined. Inside the entrance is a fine monolith with inscriptions.

Conjeveram.

118. Conjeveram is a place of very considerable interest, but not frequently visited, as there is no accommodation in the town for Europeans. It is on the South Indian Railway between Chingleput and Arkonum, and 45 miles south-west of Madras itself.

110. Sina Temple.—The largest temple of the town is dedicated to Siva, and the object of worship a lingum (see sketch). It is probably the oldest building in the place; but the ancient history of Conjeveram requires investigation.

120. The enclosure possesses some large gapurams, several mandapams and a hall of 1,000 pillars.

121. Two handsome porches are in front of the great gopuram—the doorway of which is hands me and big. Repairs were going on here during my visit, but the institution is not wealthy, having only about Rs. 2,000 annually from Government and villages. The 1,000-pillar mandapam has all the appearance of antiquity, and its ceilings appear to have been handsomely painted, but the damp coming through the roof has caused obliteration.

122. One portion of the building is suchesed for the reception of the temple vehicles and is full of bats. Between the vinnanth and the great ground is a very old building covered with inscriptions called the Kachimayavam, and is entirely of stone.

123. The pagoda has often suffered through the exigencies of warfare, and has been used in the Carnatic campaigns as a barrank, as a fort, and as a hospital,

124. It will be necessary to enterfully surroy the building for repairs; but the invalidable whitewash which abounds with streaks of red paint might be instantly removed with great

advantage.

- 125. Fiskes Temple.—The smaller temple dedicated to Vishnu is the richest and most important institution in Conjeverant. It has two enclosures, the inner one being closed to Europeans and unbelievers.
- 126. The buildings are about 2 miles from the Tchaildar's office, and are approached through a street lined with the houses of Brahmins connected with the temple. Most of the dwellings have wooden doorways singularly well carved, and the inmates show great skill in tracing chalk patterns in front of the temple gate, as well as bafore their own doors. These tracings are renewed every day, and the patterns are varied and drawn in free hand.
- 127. The first gopuram is severe in outline and is not plastered over with figures of Hindu mythology. It has a number of inscriptions. Beyond is the 100-pallar mandapam, which is a fine group of masoury sculptures (see sketch). Some were damaged by shot in Hyder Ali's time, but the bases of all the columns are conted with whitewash and paint, which utterly hides the delicacy of the carving.

The whitewash should be removed and the roof made quite secure against rois. At the corner of the caves are chains wrought out of the solid stone.

- 128. There is a second mandapain north of this; also a Teppa-kulon or tank. The vimanah itself has some fine massenry sculptures; none but Hindus are allowed inside. The gapuram to the east is a fine pile with a few figures on it.
- 129. The temple jewels are shown near the vimanah to visitors, and are very interesting specimens of goldsmith's art. The total value of the jewels as estimated by the priests is Rs. 1,06,935; among those is a necklace valued at Rs. 3,682 given by Lord Clive. There are some fine solid gold head ornaments for the various ideas. The jewels should all be photo-

Photographs wanted of temple jewels graphed. Outside the temple is a very fine carried wooden processional car, also worth photographing.

130. The income of the institution consists of a revenue from lands of Ra. 3,000, and an annual Government payment in lieu of resumed fees of Ra. 9,901.

181. It will be necessary to carefully survey this pageds both for repairs and
for its interesting architecture and ornaments; but
a great deat of preliminary good may be done by
cleaning, repairing leaky roofs, and removal of schilewash.

132. Jaina Temple.—About 2 miles south of Conjeveram in the hamlet of Tiruparath Kundrum is a Jaina temple, in which service is still conducted, although in a humble way. The Vijayanagar Kings made grants of land to this temple during the 14th to 16th centuries, as may be seen from the inscriptions; but the Jaina sect is now reduced to 25S in the whole of the Chingleput district. The temple buildings

Survey required.

Survey required.

Should be carefully surveyed, as they have all the appearance of having been originally Buddhist, and possess artistic beauty of their ewn. The outline of the buildings bear some resemblance to the Rathas at Mahavallipur (Seven Pagodas) (see diagram).

Bijanagar and Hampi.

133. Bijanagar Rains.—The distance from Bellary (on the Madras Railway) to Bijanagar is 34 miles, and the road is a more track across a rough country. The travellers' rest-house at Kamalapur is an old temple which has been converted

for the purpose.

184. The foundation of the Bijanagar monarchy dates from the middle of the 14th century. The city was built on the right or southern bank of the river Tangabhadra in a plain partly open to the east and west, but to the north-east bounded by a wild and fantastic group of rocks and hills rising to a considerable height, the northern faces of which are almost inaccessible, and which left only a confined space between them and the river. The encients of the fortifications covered scarcely less than ten square miles.*

135. The plan of the ruined city is taken from one published in Meadown
Taylor and Fergusson's book; but a more detailed
survey should be made in order to determine

what monuments are worth preserving and what measures are possible.

136. My visit was made in March last, and Mr. Huntley Gordon, the Collector of Bellary, very courteously accompanied me over the ruins and facilitated my inspection of the principal buildings. The buildings are noted on in the order in which we visited them.

See Architecture in Diarmar and Mysors by Mondows Taylor and Fergusson . - John Murray, 1866.

137. Elephant stables (D on the plan).—These consist of a long row of chambers doned over, the centre one having a double storey over it. The architecture is of the mixed Rindu and Muhammadan style, and in this building is less objectionable than in other buildings of the same style at Bijanagar The masonry is much rained, and creepers and vegetation should be removed from the roof. The interior should be elemed out, and the building placed in charge of a custodian to prevent misses and damage.

Bijanagar.

138. Palace Buildings.—Near the elephant stables and to the west is an enclosure with a high masonry wall. The buildings are of a form which arose from the influence produced by Muhammadan power and magnificence on the minds of the Hindus, inducing them to copy in their palaces—never in their temples—the more splendid form of palatial architecture.

139. The use of the mealen arch in the central pavilion is clumsy and heavy, but the plaster enrichments somewhat redeem the general effect, and are worthy of illustration. The residual of weeds and occuprowth would do much good here, and the place should be in

enstudy.

140. Temple of Fictory (see C on plan).—About 800 yards to the south-west of the palace buildings is a temple in a quadrangle, 110 feet from north to south and 200 feet from east to west. The bas-reliefs on the exterior of the walls are singularly characteristic, and long rows of larges, elephants, camels, soldiers, spirited dancing women, &c., may have led to the name given to the building. The adytum of the interior is supported on four most elaborately carved black baseltic columns, and the ornaments, which should be illustrated, are both bold and rich. On the plinth of one of the gateways is an inscription in old Kanarese. The walls of the enclosure are covered with scriptized chariots and sharply-cut modallions and figures well worth photographing. This trapic should be preserved and further runs stopped by propulsy up the dangerous blacks of manuary, by clearing away jumple and evadicating roots in the manuary joints, and by cleaning up and watching.

141. The Throne (see B on plan) —This consists of a succession of platforms, the outer walls of which are carved in relief with dephants, camels, dancing
grits. It is about 600 yards south of the palace buildings. The total height of
the platform is 31 feet, and there are signs on its summit of a pavilion having
spisted. Inside this mound is a staircease which is partly blocked up. It goes by
the name of "Mahavimi Dibba" or "Dussera Dibba." About 150 yards to the
south-met of this is the building and tank known as the

- 142. Queens' Baths (see A on the plan and sketch).—It is 78 feet 5 inches square in plan, with a reservoir in the centre 50 feet 9 inches square and 6 feet diesp. The consider of the building has an arched ceiling rightly carved with foliated echangent in plaster, and over the bath on each of the four sides is a projecting window with three openings. The plaster and musoney is much damaged; but if the roof is rendered scaterproof, the building will be a good deal preserved from further domage and rain.
- 143. Malrounta Roganulbowami Temple (see E on plan).—This is about 14 miles north-east of the travellers' rest-house, and stands in a walled enclosure on a ricky hill. There are three gopurams of the usual Drawidian style of architecture. A mandapum insels is the best architectural feature of the place, and is very picturesque with its curved masoury columns. It is roofed over with enormous stone beams, and the roof requires to be made water-right. On one side of the building is

a great wars of debrts which should be removed in order to clear the plish. All regulation should be removed from the roof and the interior classed up. One of the temples in the enclosure has a seated figure, probably Jain, 'The Duke of Backing-ham has recorded some wise directions for the preservation of this temple. He says in his note on Hampi:—

- 141. "This course should be adopted also at the Malayanta Raganathawami Temple, when the surrounding wall gives great facility for its pre-crystism. Worship by pilgrims should in as way be interfered with, but those practices which are no part of religious commands or worship, and by which irreparable injury is done, should be rigidly interselved, and the inherdiction sufcreed, by which irreparable injurious practices are lighting first, breasure-socking, and the building up in all sets of ways of cells and shelter walls in the interfer of temples in gataways. Acc. These are done to make shelter from wind for pilgrams and for eattle. They are constructed of mud and of the stones which are nearest to the hand, regardless of what they are of, or the damage which their stones which are nearest to the hand, regardless of what they are of, or the damage which their sweight may cause to the sarring on which they are laid, or into the recesses of which they are placed and wedged. I had a large number of those shutters observed away in my presence from the Haganathawami temple before any photographs small be taken, and then released the materior somewhat.
- 145. "On the third morning I again visited the Malayanta Ragaruthewanti Pagode and Mahayanti Dibba, at which latter I arranged to have the surth and rubblek so far removed from the decorated walls of the stairs as to expose the whole of the carriogs for the photographer.
- 140. "I also visited the Pattable Rama-want Pageda. It has been defind and this image removed, but it a large and massive structure with good larging and surface from its containing wall being lined internally with a double there of grants-heilt wills, of which a large parties is uninjured. The enclosing wall of this had not been broaded, and affords, therefore, great famility for preserving this ratio, of which the roof is all but entire, from further injury. Like all others it has preserving this ratio of grants and entite, but appears for some reason not to have been a favority ment of pilgrim worshippers, and has thus scaped the damaging effect of their cooking lines."
- 147. Temple of Vittata (see F on plan and diagram) Speaking of this, Mr. Fergusson writes:
- "By far the finest example of the Dravidian stric in this province is the porch of the unfinished temple of Vithelon" at Biprogram. In some respects it is as remarkable a mestion as any in be found in Southern India, though far less in errort than those at Bampeserum, Schnengen and Chilliamherum. Like all these it is whally of granteeund in the most misselfalide style; such of the great pure supporting the coefficient composed of one block from which the sender detailed shafts were supported by tradescenting after they were placed for site. The our, too, of the got is composed of only one stone, most probably a bundler found on the spot, for it is scarcely probable that so large a stone could have been moved to the place where it is now found.
- "With repart to the date, there does not seem to be any doubt, but that the local findition is correct, which ascribes the crucion of this possis to Actual Mayord, or much probably to the manyer Rammaj during his lamage of power.
- "This would place it between the years 1680 and 1542, which from other circumstance terms to be extramely probable as its date."
- 148. The three temples stand in an enclosure which has four low gopurants a stone rath or car close to the temple on the right as you enter the enclosure, and two stone pavilions for lodging travellers (see sketch).
- 149. The principal temple is much rained—some my by Tippa Saltan—and its present condition is most critical. The standing partieus of the roof should be rendered secure; I but I think that my actual restaution would be difficult as well an costly. Jungle should be eleared from the whole enclosure, and descriped where a has obtained a hold in the massiney. The carrent forguents should be collected as as to be well seen, and the various pleaths of the building should be freed of earth and débrie.

150. Speaking of the Vittalaswami Pagoda, the Duke of Buckingham, who visited Hampi last year, records the following:-

If I. "Vittalaswami Pagoda itself is a marvel of industry in carving, and beautiful both in actions and detail, although the carving is not as a whole worked to the finished surface of the manolitie of Madura or Vellore. The delicacy of the columns in their several groups surpasses any work I have ret seen (see sketch). It is much to be lamented that this general structure has been so many injuried, and that so large a portion has fallon. The injuries appear to me mainly due to make any and to pilgrime. The former have in many cases undermined the has mants, and the latter by lighting fires for cooking against the pillars have caused the gravite to flake, and this process has been constantly repeated until the pillars have become too fruit for the support of the massive granite in posts and slabs of the roof. I think that measures should be taken to preserve time of a bygone age from further damage, and that the Collector should be authorised to smaller a pensiones or other competent man at a small salary to prevent fires being lit within this temple, or any diagring for transure or shows within the products of the temple, or the stalling of patie in it, and should take measures at the large annual gatherings to prevent injury."

152. The pageda at Hampi (see G on the plan)—Is approached through the Pilgrims' or Kashin Bazar. Excepting during festivals, these dwellings are deserted; but they form an impressive example of street architecture, and are worthy of illustration.

153. The temple has but one enclosure and two gateways. The design is attributed to one of the Bijanagar Rajas, Krishna Rai, who in the 15th century returned from the conquest of the Chola Rajas of Conjeveram and built the edifice out of the booty which he brought back. The lateral gopuram to the north is a fine pile, and was repaired by Mr. Robertson, when Collector of Bellary, at a cost of Rs. 36,000. The door to the vimunah has some handsome brass-work with hammered ornament, worthy of illustration.

154. Jain Temples. - Above the pageda on the slope of the hill are some peculiar temples of the Jaina style, and they should be cleaned out and kept in castedy.

155. These recommendations are preliminary only; and as I have said, a detailed survey should be made, so that more comprehensive measures may be specified for the consideration of Government.

Note on Works undertaken in Madras, dated 18th September 1882.

Madura.—As already mentioned (see page 8, paragraph 37), Lord Napier first suggested the restoration of Trimal Nay-yaka's Palace at Madura, and its utilization for public offices. Mr. Chisholm, Consulting Architect to the Madras Government, has since 1869 had charge of the work which is now approaching completion. The total estimate is Rs. 1,50,000. Mr. Chisholm is about to put his drawings of the palace in a shape suitable for publication, and I hope before long to have them reproduced.

Vellore.—The idea of restoring the beautiful temple in the Vellore Fort.

Temple in the Vellore Fort.

Was initiated in 1878 by His Grace the Duke of Buckingham, and has been carried out most successfully by Captain McNeil Campbell, R.E., at a cost of about Rs. 3,400.

Seven Pagodas.—The seven pagodas at Mahavallipur, described in my report of the 23rd June 1881, have received a certain amount of attention, an estimate for Rs. 1,190 having received the sanction of the late Mr. Adam on the 12th April 1881. More,

however, remains to be done.

Amravati Tope.—These most interesting remains, which have been described at length in Mr. Fergusson's work on "Tree and Serpent" worship, and by Mr. Sewell in his "Report on the Amravati Tope" published in 1880, are situated 18 miles up the Kistna river from Bezwada. Excayations were undertaken by Mr. Sewell in 1877, when 80 hitherto undiscovered marbles were laid bare. Subsequently the Duke of Buckingham visited Amravati, and in 1880 ordered the complete excavation of the place. Since then Dr. Burgess has been to the tope, and in January 1882 packed up all the excavated marbles, hoping to remove them to Madras. I am now about to inspect the locality with the view of preserving these valuable remains in situ, if possible.

Undavilli Cave Temple,—This cave temple, which is in the Kistan district, was cleared by Mr. Sewell in 1877 of the accumulated débris of ages.

Old Monuments and Temples in the Fort at Gingi.—In 1872-75 a sum
of Rs. 500 was spent in removing brushwood,
entting down trees from the walls and roofs of
the buildings, and extracting roots. In 1874-75 an annual grant of Rs. 200 was
sanctioned for the preservation of the ruins. In 1878 a special grant of Rs. 250
was sanctioned for improving the access to the hill on which the fort stands.

In 1880 Mr. Chisholm, the Consulting Architect to the Madras Government, submitted a report on the Gingi remains, and wished to remove some of the pillars of a temple to be utilised in building the Madras Post and Telegraph Offices, but Government declined to sanction the removal of any of the architectural remains.

Bijanagar.—These fine remains, known as the "Hampi mins," are described in my Report of 23rd June 1881.

In 1878 a small sum was authorised for the removal of banyan trees which were destroying the buildings. After inspection in 1880 the Duke of Bucking-bam called for estimates for protecting the temples, and in May 1881 a grant of Rs, 200 was made for clearing away encroaching vegetation.

The Governor of Madras, Mr. Grant Duff, visited Hampi in July last, and more comprehensive measures are now about to be undertaken to repair the various structures.

Surveys have been made during December to July 1882 of Srirangam, Madura, and Ramisseram. The plans and photographs now in course of reproduction show what, I think, is required to preserve the buildings surrounding the great temples at those places.

P

Report on Monuments in Bombay, together with a Note on Works undertaken.

Bijapur.

General description of Bijapur and present andition of its buildings, together with some recommendations for their preservation, and Report on the project for making the vity the head-quarters of the Kaladgi District, dated 17th June 1881.

The journey to Bijapur from the Great Indian Peninsula Railway at Sholapur is neither easy nor comfortable. The road is but a made track, and there are no bridges over the Bhima and Sina rivers. A two-wheeled cart or "bandy" is under favorable arrangements drawn by trotting bullocks, and these go at a maximum rate of 4 miles an hour; but allowing for delays in changing at the various stages, for accidents, and for the occasional exemsion of a wilful pair of animals, cart and all, into the middle of a field, the journey of 61 miles is accomplished in 20 hours. Fortunately, for the future of Bijapur, and for the comfort of those who have to go there, the railway from Sholapur is, I understand, now sanctioned, and the embankments were completed as a relief work during the famine of 1876-77.

2. The name "Bijapur" is said to be derived from "Vijyapur" or "City of Victory," which was a Hindu centre of some size and importance when the Mahammadan invasions of the Dekhan brought a band of fanatics, who attacked the Brahmins of the City College (the remains of which may be still seen in the citadel), and stablished themselves in it. This early occupation of the city laid, as far as it is known, no immediate effect on the place, nor did it produce changes. It was not until Yusuf Adil Khan in A.D. 1489 assumed independence that the site of the old Hindu town was selected for the new citadel and the surrounding factifications were built. The former is over a mile in circumference, and has a stone parapet and ditch. The latter consist of massive massary walls and bastions, the circuit being about 61 miles.

The plan of Bijapur, attached to this report, is taken from that published in Taylor and Fergusson's volume, and shows the position of the most important monumental buildings. The second plan is annexed more as a curiosity than anything else. It was copied from an old map by a native of Bijapur, who accompanied me round the city, and it gives some idea of the character of the existing edifices and where they are, in and outside the city walls. The sketches are from Colonel Biggs' photographs; and I am indebted to Sir Charles Macgregor, Quarter Master General, and Captain Bell for the permission given for the reproduction of the plates at the Office of the Intelligence Branch, Army Head Quarters.

For some distance all round, the country consists of undulating downs, covered with a stony soil. In the hollows between these downs are lands of a richer quality, and with a plentiful water-supply. Near Bijapur itself the surrounding plain, which is the actual watershed of the general Dekhan platean, is probably not less than 2,000 feet above the sea. The ground is and and stony, and there is nothing to meet the eye except occasional clumps of trees about the villages. Although the immediate vicinity is not well cultivated or productive, the rivers

Bhima and Krishna enrich the land on their banks, and produce long tracts which in former days filled the granaries of Bijapur.

- 3. The buildings at Bijapur form the subject of a large volume published by John Murray in 1866, under the editorship of Mr. T. C. Hope, C.S.; and this, together with Publications about Bijapur, what Mr. James Fergusson has since written on the subject in his History of Indian and Eastern Architecture, make this famous capital unusually fortunate in the mode. and extent in which it has been illustrated and described. The photographs and photographed drawings in the former volume are, however, not all that can be desired. The photographs are not printed by any permanent process, and have faded: the same may be said of the photographed drawings; but, in addition to this, the drawings do not come out well. They are so much reduced as in many cases to be too indistinct in detail, and the absence of all colouring robs many of the illustrations of painted decoration of more than half their value. If these drawings by Captain Hart and Mr. Cumming are available, they should be repraduced in the best possible manner for publication in single plates, and moderately priced, and would then be of great value from an architectural and artistic point of view.
- 4. Yusuf Khan, to whom the dynasty of the Adil Shahis owes its foundation, was of Turkish descent, being a younger son of Amurath, Sulian of Constantinople, who Bijapur urchitecture.

died in A.D. 1451.

Forced to escape from his home at his father's death, he eventually found himself in India; was purchased for the body-guard at Beder; and subsequently raised himself to independence at Bijapur.

Besides the erection of the citadel and surrounding city walls, the Adil Shahis began their architectural career by utilising the Hindu remains of a temple for the construction of a mosque.

This system was, however, abandoned, and Ali Adil Shah in A.D. 1557 established a new building epoch.

Imbued, probably, with a tasts for the Byzantine architecture of Constantinople, he avoided the use of Hindu forms or Hindu details, and developed a style peculiarly local. Unlike the Indian Sameenic architecture of Jaunpur and Ahmed. abad, which was adapted and borrowed from the styles of the Hindus, the Bijapur architects introduced a domical style of great grandeur and boldness, more in resemblance to the Pathan architecture which developed in Northern India. The grandeur of effect which the larger Bijapur buildings possess is not easily realised, except on the spot. Photographs and drawings explain the construction and form of the great dome which covers the tomb of Muhammad; but it is in its presence alone that one becomes sensible of the simple grandeur of that wonderful pile. Major Mant, R.E., bus left on record his impression that the building is of no architectural interest; but I feel convinced that when he goes to Rijapur and stands before it, he will reverse his opinion.

A complete chapter in the history of Eastern art may be read inside the gigantic walls of the city, and a work of great national importance and of lasting credit to

^{*} Architecture at Hijapur, an ancient Muhammadan capital in the Bunbay Presidency, photographed from drawtness by Captaili P. D. Hart, s.z., A. Cauming, c.z., and Native draftsmen, and on pot-by Colonel Higgs, late of the Royal Artillery, and the late Major Lock, Bombay Army.

the Bellish Government will be accomplished as soon as the buildings are systematically eased for and kept from falling into ruin and oblivion.

5. Tomb of Sultan Mahmad Adil Shah, otherwise called the Gol Gumbar (marked W on the plan).—The manusleum of Mahmad Adil Shah is one of the most remarkable tembs in India, and its dome is one of the largest masoury structures in the world (see sketch). The building was exceed by Mahmad (A.D. 1956 to 1660), but was never quite completed. Besides its remarkable size, its mathod of construction claims the study and attention of both engineers and architects. The thrust of the enormous domical mass is counteracted by the compression given to the ring of the masonry from which the arching starts. This compression is produced by the weight of an enormous cornice formed out of pendentives acting inwards. On the platform of these pendentives the dome commences with a diameter of 123 feet, thus leaving a space of 13 feet width all round the interior, which forms a very perfect whispering gallery.

The exterior diameter of the dome is 142 feet 8 inches, and the exterior height from ground 198 feet.

The illustrations in Taylor and Fergusson's Bijapur are three wood-cuts of plans one photographic view, and seven photographic plates of drawings.

Repairs to this tomb were executed when Sir Bartle Frere was Resident at Sattara, and have been lately carried on afresh by Messrs. R. B. Joyner and C. Reinhold, Executive Engineers, successively in charge of the Kaladgi Division.

Repairs which were urgently needed to the dome some short time ago have, through the energy particularly of Mr. Joyner, placed the building in security.

Much more remains to complete what has been began. The rows of large brackets which form the noble cornice over 80 feet high on each of the four exterior sides of the building are much mutilated and follen, and no amount of money expended on this grand building will be of any availing credit to the British Government until the follow brackets are replaced. The replacing them at the height of 80 feet is an arrowns, but not insuperable, task. I would recommend that a thoroughly strong and secure scaffold be constructed for one of the four sides of the building, and so made as to be available for the other three sides.

Instead of strengthening the corbels, as proposed by Mr. Joyner in his Estimate No. 4 of 1880, with unsightly iron struts and bolts, the whole masonry should be rebuilt. This will naturally entail additional cost; but I most strongly resommend this course as being the only satisfactory one.

Inside the tomb and to the north is an unfinished open-like addition intended as a rusting-place for Mahmud's mother. Its roofless state is a source of damage in the rains, and temporary covering would be of great advantage until more permanent measures can be afforded or malured.

Within the enclosures of Mahmud's tomb a number of natives have erected musightly dwellings. These should be removed, and the whole area cleared up.

The adjoining mosque to the west is a building of interest which should be preserved. During the famine of 1876-77 part of the interior was enclosed for an irrigation office, and I learned, during my visit in March 1881, that it is proposed to convert it into a traveller's bungalow—a proceeding which I consider vanishing and disfiguring, and which I strongly advise may be counterordered. The manque should be eleared of all the enclosing walls and left as originally built and designed.

The tomb and mosque and nakar-kkana should, when the repairs are finished, be handed over to the charge of the district officials, and proper and responsible native

custodians placed in charge to keep the buildings in order. The waiting round there buildings ought to be completed.

 The Jama Marjid (marked V on the plan).—This fine mesque was built by Ali Adil Shah between A.D. 1557 and 1580 (see sketch).

The illustrations in Taylor and Fergusson's Bijapur are grand plan (wood-cut), two photographic views, and eleven photographs of drawings. The building was put in repair when the British annexed Sattara. Other repairs latterly found necessary have been carried out, but the structure wants careful catching to precent damage by vegetation, or by rain leaking through the domes and roofs.

The interior is decomted with bands of beautiful tile-work round the arches of the domes, and has a noble "mehrab," which was decorated in coloured and gilt freecess arabes one of the most gorgeous character by Mahmud Adil Shah. Every seems should be taken to preserve this splendid devoration by careful cleaning away dirt and dust and by varanshing. There are some good astique prayer carnets (durris) left in the mosque, which should be carefully kept and the patterns copied for use.

7. Ministri Mahal (marked R on the plan).—The legend ascribing the building of this gateway and mospite to a "sweeper" or "ministre" of Ibrahim Adil Shah I's reign is not confirmed by local tradition. I was told by a native, whose family has been long located at Hijupur, that the term "militur," as applied to the building, signifies "prince"—not "sweeper." The Chiefs of Chitral are still entitled "militur"; and it seems much morn probable that this beautiful building, a place of Muhammadan worship, was dedicated to a prince rather than to a man of low caste.

The illustrations in Taylor and Fergusson's Bijapar consist of a plan (wood-carl) of the gateway, a photograph showing the gateway and mosque, and ten photographs of drawings and details of the gateway by Captain Hart, Mr. Cumming, and the two native assistants. The massary of both mosque and gateway is exceedingly well executed, and the skilful use of concrete blocks in the construction of floors is an admirable example of how that material is capable of being employed.

The ornamental details of the gateway are exquisitely wronglit in stone, and afford the most perfect examples of the stone-cutter's art, whilst the wooden doorways are finely curved in bold design.

The building, in all respects a little gem, is under 30 feet square in plan, has three storeys, and the flanking minarets are little over 65 feet in height (see sketch).

The perforated stone railing or balantrade round the top of the gatemay is much damaged, and should be renewed. The brackets and chujjus of the projecting windows are broken, and require restoration. The repair and preservation of both mosque and gatemay should be shiffelly and thoroughly carried out, and the two buildings given over to be jealously guarded and vared for by responsible custodisms.

8. The Citalel or Arkilla.—Ciese to the entrance to the citalel or "arkilla" there are a quantity of Hindu columns which belonged to a temple, and have been recently uncarthed. Near these is a mosque converted out of Hindu pillars and other materials of a Hindu temple, and in the enclosure of the mosque is a rule mound, beneath which are the bedies of the Muhammadans who were killed in expturing Bijapar under Mallick Karim-ud-din, A.D. 1312. Some of the columns in the columns of the mosque are of a black stone, and remarkable for their singular design and slaborate sculpture. These Hindu remains should be preserved and not utilized. Proceeding

further into the citadel the Messa Masjid is reached—built in Yusuf Ali Shah's time,—a small square building surrounded by a colounade. The masonry work of the central building is beautifully out and laid, and the "mehmb" of the mosque very handsomely carved in stone. This building should be kept in repair.

The other buildings in the citadel are mostly in a ruinous condition. They were largely constructed of wood, the removal of which by the Mahrattas caused the collapse of so many walls and floors. An exception to these is—

The Askar Mokal (No. 12 in plan).—This is a very singular building, with large wooden columns supporting the front verandah.

In Taylor and Fergusson's Bijapur it is illustrated by a ground plan (woodent), one photographic view, and aix photographed plates of drawings, sections details, &c.

Owing to its use as a sacred edifice for relies of the Prophet Muhammad, it escaped destruction by the Mahmutas, and gives a good idea of the character of the palaces that were rained elsewhere in the citadel and robbed of all their wood-work. The palace measures in plan 135 feet by 190 feet, and has two storeys, in front of which is the verandah with huge columns of wood over 33 feet high. The principal apartments are in the upper storey; they are decorated with coloured frescoes on the walls, with beautifully perced wooden screens fitted to windows, and with doorways inlaid with ivery. All of these are much neglected, and deserve a better fate. The frescoes could be cleaned and protected by a hard carried, and the ornamental wood-work of pierced and inlaid work should be skillfully ceputed and carefully cited. In one spartment are kept some carpets and hangings of State parposes. The warkmanship, colouring, and pattern of some of these are first rate and in true oriental style, but they are badly cared for and full of dust. If they are to be preserved, it is absolutely accessary that they be repaired and backed with strong cloth or causes to prevent them falling to pieces, and have against wells where they can be seen. The patterns of these carpets should be copied for the use of carpet-weaters in India.

The remnants of the Adil Shahi library were preserved in the Ashar Mahal, but some years ago were removed by Sir Bartle Frere.

Considerable repairs are required to this building, which now has a desolate and neglected appearance. Some masonry arches were built up by Captain Bart to support and strengthen the roof of the vacandah, but these are very unsightly, and a more skilful means of repairing the weakened roof could be employed by renewing timber between

The Anand Makal, Palace of Delight, has some fine concrete floors, and was originally decorated with handsome coloured tile-work. It is proposed to convert this building into the Executive Engineer's residence. The gateway leading to the Anand Makal has some splendid interior plaster-work works of preservation and illustration, and should not be occupied.

The Tomb of Yasof Turk built by Ishmail Adil Shah (see the sketch) should also be preserved and not occupied.

Gagas Mahal. Arash Mahal. Adalat-ka-Mahat. Chinch Mahal.—The Gagan Mahal is very ruined, but has a grand areliway. Farther rain should be stayed, and the place cleared of dibris. The Arash Mahal is intended for the residence of the Civil Surgeon; the Adalat-ka-Mahal as the residence of the Collector and

Magistrate; and the so-called Chini Mahal or Granary as the offices for the district.

Alangir Padshah's Mosque. Pani Mohal, Sonori Mahal. Sath Khundi Muhal Mauzali. Chinch Didi Manjid, Besides these are the Alamgir Padsha's Mosque, the Pani Mahal, the Soneri Mahal, the conspicuous Sath Khundi Mahal, built by Mahaud Adil Shah, and the Chinch Didi Masjid, -all of which should be cleared of debrie and decay arrested, as far as possible, by the extraction of roots and creepers, and by filling in cracks in masonry with comout, so as to mitigate the damage which heavy rain is liable to cause. Debrie should be collected in convenient heaps and creepers planted so as to trail over them.

9. The Great Gun Malik-i-Maidan (A.D. 1548) .- This highly finished gigantic howitzer is of mixed metal (# copper, + tin), and lies on the outer walls of the city. Its extreme length is It'S", and its greatest diameter at the muzzle 5' 2" (see sketch).

It was at one time proposed to remove this fine specimen of uncient casting to England, but fortunately the bad roads put a stop to any such measure. Ireconmond that the gan be properly mounted on the hastion where it now rests.

 The Taj Baore (A.D. 1626-1660);—This is a fine tank of water, measure. ing 223 feet by 219 feet, marked J on the plan, and has a façade facing the street, with an archway of 55 feet span flanked by minarete over 60 feet high. Two wood-cuts—elevation and plan, together with one photographic view, and two photographs of drawings—are in Taylor and Fergussen's book on Bijapur.

The façade of the building was never completed, and it will much improve the

general appearance to paid it.

11. The Brahim Rate (A.D. 1626-1579). This is about half a mile from the walls of Bijapur and to the south-east. The Roza or garden is an enclosure, in which are the tomb of Ibrahim Adil Shah II and his family, and the adjacent mosque. An inscription records that the buildings took over 36 years to complete; that 6,538 workmen were employed on them : and that the cost amounted to a sunt equivalent to more than half a million pounds sterling.

Both the temb and mesque are very perfectly executed and finished, and the best preserved of all the Bijapur monuments. They are illustrated in Taylor and Fergusson's volume by a ground plan (wood-cut), by two photographs, and by ten photographs from drawings made by Captain Hart, Mr. A. Cumming, and two native draftsmen. The photographs are, however, much faded, and the drawings do not appear either distinctly or to advantage.

The tomb of Ibrahim is remarkable for the manner in which the interior, 40 feet square, is flat-roofed in concrete faced with stone; also for the vary rich ornament which has been lavished on various parts of the edifice.

There are six tombs in the interior, which is a perfectly plain apartment with no ornament save what appears in the elaborate stone trellis-work and tracery of the windows. The geometric devices interwoven with Arabic inscriptions produce a very remarkably rich lattice; but it is in parts much broken, and should, if passible,

The outer walls of the four entrances are richly ornamented, and the wooden doors with carvings and gilt metal knobs present a bold and hands one appearance.

The central apartment is surrounded with a double verandah; the inner versadal has most rich and minute carvings on its columns and ceilings. The exterior surfaces of the main walls were once covered with elaborately painted and gilt arabesques now much faded.

A shifful renewal of this surface decoration would greatly enhance the beauty of the tomb; but it must be done by an expect.

The ceilings of the verandahs want making seeme, and one of the arches of the outer row of columns is cracked, and should be strengthened. Whitewash on pillars should be removed by application of strong sods and water and scrubbing off with hard bamboo brushes and palette knives. All curved wood-work is doors and mindows requires preserving by cleaning and oiling. The outside chajjas and brackets want renewal and repair.

The mosque has a fine colonnade, arched and domed over with great skill and tasteful ingenuity. The whole of the interior and much of the exterior has been whitewashed. The interior walls and arches have been fined and picked out with grey! whilst underneath lies a profusion of coloured decorations. The building is in send of some exterior repair to chajjas, brackets, roof, cornices, &c.

The parties requires putting in order, and the vaniled chambers of the four malls which enclose it, and those in the lower part of the terrace which support the mosque and took, should be cleaned out. The whole place must be in proper custody to present damage and potention (see electe).

12. Project for concerting Bijapur into the Head Quarters Station of the Kaladgi Destroet.—During my visit in March last, I had the advantage of meeting Mr. Reinhold, Executive Engineer of Kaladgi, who lives at Bijapur, and he accompanied me over the several buildings in the citadel which it is proposed to convert into offices and residences for the district officials.

The question of making Bijapur the head-quarters of the district was raised in 1875 by Colonel (now Lieutemant-General) II. St. Chair Wilkins, R.E., then Superintending Engineer, Writing to the Bombay Government on the 31st December 1875 from Bijapur, he calls attention to the approaching visit of the Governor, and requests that his letter may be laid before him; points out that Bijapur is centrally situated in the Kaladgi District; has many advantages over the station of Kaladgi, which he describes as an obscure village. Kaladgi in former days a station of that southern, portion of the district which belonged to the Madras Presidency, and when Bijapur pertained to the independent State of Sattara. Kaladgi described as misembly provided with public and private buildings;—as being very inaccessible; of no political importance; climate very hot; visited every few years by cholera; has no cald senson; as being depressing to Europeans, with a bad water-supply.

On the other hand, he describes Bijapur as admirably adapted for a head-quarter station; points out that by its adoption money might be saved, since the expenditure necessary at Kaladgi would produce larger results at Bijapur. Bijapur once inhabited by a million people. The fort, over six miles in circumference, is filled with buildings of all kinds which are convertible. The climate of Bijapur is chalanced; it enjoys westerly sea breezes in the hot weather; is not subject to chalem. Its inhabitants speak well of the climate. The water-supply good. He also points out that the resuscitation of Bijapur as capital of the district would be an act of political wisdom; that ample accommodation exists for police and troops; that if Bijapur is made the capital, the most valuable of the public buildings and monuments would have a chance of permanent preservation.

Colonel St. Clair Wilkins, again addressing the Bombay Government on 23rd February 1878, enters into the details of the scheme, and points out that the civil officers of the district hold it to be for the public benefit. Bijapur free from cholera since 1872; is situated on the elevated watershed between the Bhima and Krishna rivers. Kaladgi in a depressed basin. Population of Kaladgi 6,591. Population of Bijapur 12,935. Estimated cost of completing buildings necessary to Kaladgi, Rs. 1,04,000. Estimated cost to convert buildings at Bijapur Rs. 97,000. Suggests that Mr. Molecy, C.E., take up his head-quarters at Bijapur and carry out the alterations.

- 13. Mr. G. T. Molecy, F.R.I.B.A., C.E., was accordingly appointed Executive Engineer of the Kaladgi district, and submitted a series of estimates and plans for converting the following buildings at Bijapur:—
 - (1) Granary of Chini Mahal into offices for the Collector and Judge.
 - (2) The Serai into jail.
 - (3) The Idgah into Police lines.
 - (4) Yusuf Adil Shah's Masjid, &c., into Executive Engineer's office.
 - (5) The Adalat Mahal into a residence for the Collector.
 - (6) The Dowlia Ykut Mahal into a residence for the 1st Assistant Collector.
 - (7) The so-called Chini Mahal into a residence for the Superintendent of Police.
 - (8) The Anand Mahal into a residence for the Executive Engineer.
 - (9) The Arash Mahal into a residence for the Civil Surgeon.

The last of these estimates is dated 13th September 1876.

- 14. The Bombay Government issued an order, No. 1862 of 1876, on the 4th

 Orders by the Bombay Government.

 November 1876, sanctioning the Bijapur project,
 but want of funds prevented any allotment being
 made. The matter was, however, ordered not to be lost sight of.
- 15. Mr. Molecy's plans and estimates were forwarded to me by the Secretary, to Government, Public Works Department, Bombay, on the 7th April 1881, for my epinion and report on the proposed modification of the several buildings at Bijapur.

I have gone carefully over these plans and estimates, and now beg to submit my views.

 Mr. Molecy's estimate, No. 8 of 1876-77, for the conversion of the Granary Conversion of the Granary into offices, into district offices, Rs. 20,000.

There is, I think, no objection. This building known as the Granary or Chisi Makal was creeked by Ibraham, grandson of Yusuf, framer of the Adil Shahi Dynasty, A.D. 1524—48. It is in the citadel or arkilla (No. 7 on the plan), and has a ground and upper floor, and measures 278 feet in length, and forms one end of a quadrangle 365 feet × 216 feet.

Areaded recesses extend all round the quadrangle.

The greater part of the building is taken up by a large domed hall 128 × 29 feet 10 inches, and rises to the full height of the building. The wings project on

either flank, and were connected by a huge verandah, supported at one time by two worden columns. Only the masonry bases of these now remain, and all the woodwork have been removed by the Mahrattas.

Some grain, pieces of salphar, broken glass, and China porcelain were found in the debris and in the staircases, which were bricked up in the thickness of the massive walls. These and other discoveries, such as the gun found by Mr. Joyner, should be carefully preserved.

Coloured tiles were formerly used to decorate parts of the building. The west wing is assigned to the judicial branch, and the east wing to the revenue branch.

The body of the building is given over to various offices and to an entrance; record-rooms, cells, &c., are placed in the quadrangle.

Part of the Granary appears in photograph III, Taylor and Fergusson's book.

The great hall should not be disfigured by high partitions, and should be kept free from end to end. Screens would sufficiently divide up the space for offices. The great verandah should be rebuilt.

There is nothing to show in the plans what the new portions will be like in elevation, or what description of doors and windows will be provided. The style of Bijapur architecture should be adhered to throughout, and this may be done even in the most simple way.

The versudals in front of the cells and Judge's room is not in keeping: the arcading of the original building should be repeated.

 Mr. Molecy's estimate, No. 85 of 1876-77, for converting the Serai into Conversion of the Serai into a jail. a jail, Rs. 20,000.

There is, I think, no objection to this, but there are only general ground plans with the estimate, and, excepting some elevations of a new workshod and warder's quarters, there is nothing to show what the buildings will be like.

The seral is 11 miles north-west of Bijapur, and is not illustrated in Taylor and Fergusson's book.

It would be in better keeping, and probably economical, to use nothing but mason arching instead of timber and tiled roofs.

 Mr. Molecy's estimate, No. 94 of 1876-77, for converting the Idgah into Conversion of the Idgah into Police Police lines, Rs. 24,040.

The Idgah is shown on the plan. It was erected by Aurangzib in A.D. 1690. Almost the whole of the buildings proposed are new, and only the enclosing wall is to be utilised in the crection of the men's quarters. It would seem, therefore, better to leave the Idgah for the use of Muhammadans, and baild the lines on some unoccupied ground.

19. Mr. Molecy's estimate, No. 75 of 1876-77, for converting the existing Conversion of the mesque of Adil dilapidated buildings situated within 10 yards to the Shah, Re., labs the Executive Engineer's Office, Rs. 3,000.

These buildings are described as the mosque of Yusuf Adil Shah, &c., but no plan accompanied the estimate, although one is referred to.

 Mr. Molecy's plans for converting the Adalat Mahal into a residence for the Collector. Rough estimate, Rs. 15,000. This building is of Ali Adil Shah II, and dates A.D. 1652. Its position is shown in the plan No. 4. All the wood-work has been removed,

There should be no pitched tiled roofing, but terrace roofing throughout. There is nothing in the design to show the character of the door and window openings.

21. Mr. Molecy's plans for converting the Dowlia Ykut Mahal into a Conversion of the Dowlia Ykut residence for the 1st Assistant Collector. Rough Mahal into the Assistant Collector's estimate, Rs. 8,500.

I think there is no objection to this; the building is not shown on the plan in Taylor and Fergusson's book.

The Dowlin Ykut storque and gateway are shown at T on the plan and in photographs XLV and XLVI in Taylor and Fergusson's book. I presume it is not intended to touch these in any way.

The plan for converting the Dowlia Ykut Mahal seems to me suitable.

23. Mr. Molecy's estimate, No. 84 of 1876-77, for converting the Chini Mahal outside and to the south of the arkilla as a Police Superintendent's residence for the Superintendent of Police, Rs. 8,589.

This building is not shown on the plan in Taylor and Ferguson's book, I think there is no objection to its use.

There are no elevations of the house with the estimate to judge from,

23. Mr. Molecy's estimate, No. 74 of 1876-77, for converting the Anand Conversion of the Anand Mahal Into Mahal into a residence for the Executive a residence for the Executive Engineer, Rs. 4,000,

I think there is no objection to this building being used. The Anand Mahal was built in A.D. 1581 in the citadel (see No. 3 on the plan).

The plans do not show what the proposed alterations will be in appearance.

24. Mr. Molecy's plan for adapting the Arash Mahal as a residence Conversion of the Arash Mahal into for the Civil Surgeon. Hough estimate, Raa residence for the Surgeon.

I think there is no objection to this. The building is 50 yards to the cust of the Adalat Muhal (No. 4) in the citadel.

The plans do not indicate what appearance the building will have when altered.

Sulldings mentioned be consecred without delay. If the plans before me had been of sufficient detail, I would have made a design of how I think any one of the buildings should be treated; but if the Executive Engineer, Bijapur, will send not elevations and details of how the buildings would look after the alterations as proposed are carried out, I will, if necessary, make any suggestions for keeping the architecture in harmony with that of Bijapur, and furnish drawings for the purpose. This report is preliminary only, as more buildings than those montioned remain to be inspected and reported on. For this purpose, and to obtain further illustrations of Bijapur architecture and art, I hope before long to repeat my viert.

Report on Ahmedabad, Poons, Karli, Ambernath, and Elephanta, dated 26th October 1881.

My visit to Alimedabad, 18th to 21st March last, enabled me to see many of the architectural remains of that very interesting and State Bailway makes the place as easily accessible from the north as it is from the south; and the immediate and first tendency of the improved communication is to damage and misappropriate the picture-sque and beautiful buildings of the city. Already one mosque (Mia Khan Chisti's, lenit A. D. 1465) is used as a residence; and signs are not wanting classifier of the readiness, on the part of both Natives and Europeans, to utilise anchest architectural memorials for damestic purposes (see sketch No. 1).

2. I submit that the most complete and proper care should be taken of the Newsliv for conservation. Abmedahad monuments. The city is distinctly one of the most picturesque and artistic in the whole of the Bombay Presidency, and the number of visitors is now greatly increased. Some of the old tombs and messages have received repairs and attention, but the number of these that are malireated is a deployable condition argently calling for systematic remedies.

3. The Samesnie architecture of Ahmedabad was inaugurated by Ahmed Shahin A.D. 1411, and, as eisewhere throughout India, the Muhammadans began by building out of materials taken from Hindu temples. The pseudiarity of Ahmedabad architecture is, however, that the Hindu masons who built the later mosques and tembs adhered closely to indigenous forms instead of to those characteristic of the meslems, producing buildings with a larger admixture of Hindu or Jaina detail than is seen in other capitals founded by the followers of the Prophet-Added to this, the plans prescribed by the Muhammadans for their buildings imparted to the style a breadth of conception not generally displayed in Hindu architecture, and a singular elegance and character thus appeared in the structures the remains of which he scattered in the city and the neighbourhood.

4. Mr. James Forgusson, in his History of Indian and Eastern Architecture, has devoted a whole chapter to the architecture of Gugerat, of which Ahmedalad, for the last 450 years, has been the capital; and a volume, profusely illustrated by photographs by Colonel Biggs, R.A., and with historical and descriptive sketches by Mr. T.C. Hope, and architectural notes by Mr. Fergusson, was published in 1866. The plan of Ahmedalad and its environs is taken from the latter work.

 Mr. Burgers, Archaeological Surveyor in Bombay, visited Ahmedabad in October 1874 and reported on, transcribed and translated some of the inscriptions on the buildings (see Archaeological Survey of Western India—Kathiawad and Kachh, 1876).

6. The city walls were built by Sultan Ahmed I in 1412, and were in 1486 so strengthened and repaired by Mahmed Begurn as to make Ahmedahad one of the best defended cities in India. In the seventeenth century the walls were noticed with wonder and proise by almost all European travellers. During the disorders of the early part of the eighteenth century they fell into considerable decay, and in 1755 the mins were so heavy that in several places great gaps were created. In the same year Momin Khan put them in repair. But later on, in 1780, they were, near the Khan Jahan Gate, breached by the British. After this gradually became

so ruinous that earts and carriages could pass through, and the city was as unsufe as the suburbs, cobberies and murders being common. In the early years of British, management (1818-1825) complaints of the bail state of the walls were constant. In 1825 the Collector wrote:—"The city is on all sides open to this was and robbers;" and in 1828 the circuit Judge drew attention to the state of the walls, urging that some of the city revenues should be set apart for their repair; but fearing that it was too late for any sufficient remedy. Shortly after this, chiefly by the exertions of Mr. H. Borradaile, the Collector, much public interest was taken in the restoration of the walls; a tax on clarified butter was levied, and in 1832, at a cost of £25,000, they were thoroughly repaired." If Ahmedabad is as alive to its interests now as it was under the guidance of Mr. Borradaile, the whole place would be placed in a complete state of preservation, and every architectural managest would have its responsible guardian.

- 7. The following accounts of buildings and recommendations for remedial measures are in the order in which my visits were made:—
- 8. Sidi Syad's Mosque in the "Bhaddar" (marked No. 1 on plan).—This very beautiful building is at the north-east corner of the Bhaddar, and was built by Sidi Syad, a slave of Ahmed Shah (A.D. 1411). The Mahruttas descented it and it is now used as a mambatdar's kasheri, for which purpose the front opinings have been bricked up, the inner columns whitewashed, and the beautiful marshie windows of perforated tracery (see sketch No. 7) filled from inside with plaster. The roof consists of a series of small domes beautifully and fancifully corbelled.
- The clearing and cleaning of its disfigurements and impediments are urgent remedies which I strongly recommend to Government; but, to place the building in a suitable condition, an office will have to be provided for the manulatdar.
- 10. Ahmed Shah's Mosque in the "Bhaddar" [A.D. 1414] (unrked No. 2 on the plan).—This is constructed out of Hindu columns put together with an irregularity similar to that observable at the Kutub Mosque near Delhi and at the mosques at Mando in Malwa.
- 11. The interior is roofed in by a series of domes of the Jaina type, and one side (to the right facing the west), enclosed by stone traceries, is a raised floor, evidently intended for the ladies of the palace. The webcab in the centre of the west wall of the mosque has an inscription above it. On the right is a marble palpit. The whole of the interior is very dirty. Some of the domes show signs of leakage; to remedy this, they want repair outside, and regulation should be removed. In front of the building is a grave mound, where repose the bodies of those who were killed in the light against the Hindus. The mosque is no longer in use, and should at least be in custody and kept clean.
- 12. The Tin Darwazz (marked No. 8 on plan).—This is a fine gateway in the city, and used to be an entrance to an enclosure in front of the Bhaddar Gate. In 1877 some repairs were executed, and a hideous roof removed from the upper terrace.
- 13. The Jawa Marjid (marked No. 1 on plan).—This is an encloure measuring about 400 feet by 250 feet, the mesque at the west end being about 200 feet by 90 feet. It is a handsome building (see sketch No. 2); but the minarcts flanking the central arch were overturned by an earthquake in 1819.

The interior is particularly striking with its colonnade of fine pillars, zenamicallery with tracery, and numerous domes of the Jain type.

- 14. The makeno is of marble, very effectively inhaid with stone, and has a marble inscription above it (dated 4th January 1425 A.D.). There is an upper gallery round the control portion of the masque, which gives height and grandeur to that part of the building. Unfortunately all the stone columns and walls have been whitewashed. The whitewash should be removed. The tank in the centre of the courtyard of the mosque has been very unsuitably roofed over with corrugated iron.
- 15. Akand Shak's Tout [repaired A:D, In37—38] (marked No. 5 on plan),—
 This building, to the east of the Jama Masjid, is a massive edifice with a dome, and
 has windows at tracery, the ernament of which is particularly effective and handsome.
 There are some good brass doors to the tumb entrances. The whole place, which is
 extremely dirty, should be closued and placed in proper castedy: vegetation requires
 removing from the roof; and the rear recondant, which has been ruthlessly bricked
 by for some weetchest operator, should be closued.
- 16. Tout of Aimed Shah's Wives (marked No. 6 on plan).—Near Ahmed Shah's tomb stands the suchours which contains the graves and tombs of the Ranis. It consists of a basement raised some 9 or 10 feet above the ground, with a surconnling colonisade screened from the cutside by stone tracery of great variety and elaboration. In the court, which is open to the sky, there are several tombs of marble, beautifully wrought in ornamental bands of sculpture; and the monument to Murkhi Bibs, a favourite wife, has an inlay of black marble and mother-of-pearl. These are beautiful works of art, thoroughly appropriate to their owner, and about be completely restored.
- 17. A great deal of damage is done to the elegator, its marble terrace, and to the tembs, by trees and creepers; whilst slabs of marble have in many instances been utterly displaced. The whole of the damaging regetation should be entroped. The enclosure is surrounded by fifthy matrix houses, and great equalse prevails, the remarks of which would do much good to this remarkable building. There should be a custodian here and the place kept clean.
- 18. Davier Khan's Mosque [A. D. Gree, 1480] (marked No. 7 on plan).—
 Mahamid Begurra's minister, Dustur Khan, built a remarkably elegant mosque in the
 seathern quarter of the city, and surrounded it with a coloniade of pillars supporting small semi-circular domes, and enclosed by perforated stone tracery. The
 screen-work is very varied and bold in deeper, but unfortunately some one has
 thought proper to whitewash the building; and until this is resoured and the place
 element op, its beauty is greatly observed. Beneath the courtyard is a subtermain
 reservoir 76 feet square, vanited over with masonry. The building should be in
 equality:
- 19. Ram Sipri's Mesque and Manulcam [see strict No. 3] (marked No. 8 on plan).—The memorials of the wife of Ahmed Shah's son stand inside and near the Astalia gate of the cite, and were built in A D. 1511—1526. Both buildings are of Regular elegance, and delicately wrought with curvings and perforated screen-work. The mesque measures 55 feet by 20 feet, and has two flanking minarcts, 50 feet high, gratesfully tapered and enriched with architectural occument. A pair of united bracket windows at the end facing the street gives a picturesque appearance to the exterior, and are as good examples of this class to be found anywhere in

Lodia. The three medrate inside the building are of white maride, daintily carred, and are worthy of illustration in detail as fine specimens of this particular kind of

Illustrations wanted, musque arranted. The interior of the ansage is not as ofcan or properly taken arra of as the building

- deserves. The Rani's tomb is an elevated square building with a semi-circular dome, and surrounded by a low versadah with a splendidly incised plinth and enclosed with tracery. Fegolation on the dome and roof chiefly be removed, and the building put in repair and kept in proper encloses.
- 20. Shah Mass (marked No. 9 on plan).—The Pir Shah Alam, son of Kuth-ul-Alam, the said of Bhutwa, was buried in A.D. 1475 in a handsonic tomb 3 miles from Ahmedabad. After his interment the place acquired other edifices, and was enclosed by a high wall. The tomb is square in plan, surmounted by a dome, and enclosed by a verandah with beautiful stone trellis-work. The central sportment; in which rests the actual tomb, is surrounded by a second row of accesses, and the tomb is covered by a wooden canopy exquiritely inlaid with mether-of-peacl. The interior of the dome is handsomely painted in freezo, and the floor is of markle. A markle fence or low serven uncircles the canopy. The outer verandah has an entrance on each of its four sides, pitted with sliding doors of ornamentally-pierced brass plates. At one corner of the tomb are buried the children of Shah Alam. Great variety and fancy are displayed in the patterns of the stone and marble serven-work which encloses the outer verandah and the inner tumb. The building is now in fair order, considerable attention having been bestowed on it by Mr. Borradaile, C.S., late Collector of Alameshabad,
- 21. Manusceum of Mar Alass at Sank Alask (see No. 9 on plan).—This tomb is one of the buildings in the Shah Alass enclosure, but is plainer than that of the saint. The variousding consigned requires weeding, and regetation should be completely autoosted from the building as well as from the terrans.
- 22. Shak Man Mosque (see No. 9 on plan).—The mosque has two fine minurers at either extremity of the façade. The interior is a colouredle of three rows of six pillars roofed over with domes and covings. The masonry is unfortunately disligated by a layer of whitewash, excet similable semoces, and the place is rendered still more maximum by numerous swarms of bees in the domes.
- 28. The Kaubria Tank (marked No. 10 on the plan).—About a mile from Ahmedahad to the south-east of the city is this fine reservoir, surrainfied by massarry steps for a circumference of a mile, and with pavilions and a handsome supply sluice. In the centre is a small garden and bacadart connected by a massarry causeway. The place is well world caring for and temping in order.
- 24. Sidi Rusie's Marque and Test (marked No. 11 on plan).—The rained tomb and still more rained mosque of Sali Busir are buildings worthy of being preserved from further decay. The archway and minarcts are all that temain erect of the mosque, and their handsoms proportions and the variety in the stone organization render them valuable examples of the Ahmestabad style. The tomb is occupied by natives, and presents a diagraceful picture of dirt and neglect. The place should be cleared and cleaned, and what remains of the buildings ought to be repaired. The date of these edifices is not known for certain, but they belong probably to the reign of Mahmud Begurra.
- 25. Hailat Khan's Marque (marked No. 12 on plan) .- This is an instance of the way in which the materials of descented Hindu shrines were utilized

for the purposes of the Muhammadans. The interior colounade has pillar shafts of varieties of Himin ornament, raised one above the other to suit the plan on which the masjid was designed. Built at the time that Ahmedahad was first established, it is not only a monument of historic value, but shows how the local style developed itself architecturally.

26. draw Khan's Palace (marked No. 13 on plan).—Azam Khan in A.D. 1036 caused this building to be erected; subsequently was used as a college; but in 1820 underwent conversion by our Government into a jail, and up to the present time carpets, durris, cloths and basket-work are manufactured by prisoners. The entrance gateway has a handsome dome with ingenious and effective cuspings. Below the dome is an underground chamber or takhana approached by four staircases. This apartment served as a retreat during hot weather, and has in its centre a fountain, around which the innestes of the palace sat or slept in cool seclusion. The conversion of the palace buildings into a jail has destroyed brasings wanted.

easily restored in drawings.

27. Sirkhej (marked No. 14 on plan).—Across the Sabarmati river, and about 5 miles south-west of Ahmedabad, is the village of Sirkhej, to which the friend and counsellor of Ahmed Shah, Ganj Buksh, retired to, and died in A.D. 1455. A tomb and mosque were here erected by Kutub Shah in A.D. 1451, and Mahmud Begurra made the locality a resort, built the large tank and palace, and creeted a mausoleum for himself and his queen Raj Bai.

esting, and its architectural appearance could be

- 28. Timb and Mosque of Gauj Baksh at Sirkhei (see No. 14 m plan).-The tumb of the saint, said to be largest of its kind in Guzerat, is about 130 feet square in plan ; the central apartment is surmounted by a flat dome, and the verandah covered with a series of smaller ones. Round the tomb itself is a screen of ornamentally-pierced brass, and the entrance is decorated with mesairs of coloured glass and minor work (" shish"). The exterior of the verandah is cutirely filled with windows of perforated stone, and the floor of the verandah is of marble slabs. The masonry of the whole of the building is literally smothered with whitewash, and nuless the removal of this harbarous disfigurement can be arranged for, the building will never be seen to advantage, or he worthily treated. In front of the tomb is a handsome pavilion of lofty pillars surmounted by nine small semi-circular demes. The yandal who whitewashed Ganj Buksh's tomb gave this also a good conting, and its command abouted not be lost night of when merciful remedies are undertaken at Sirkhej. The mesque consists of a domed colonnade, measuring about 200 feet by 80 feet, with a courtyard surrounded by a varandah to the east, measuring about 20) feet square. The pillars in the mosque itself are lafty and handsome, and the whole effect of the building would be stately and pleasing if the inevitable whitewish had not been liberally applied. It covers the columns of the vermulah round the court and the columns of the building of the manque street, and should be taken off. A han isome pulpit, the king's seat, and the marble mehrab miorn the interior; but the mised gallery for the ladies of the palace has been loated of its acreen-work.
- 29. Tout of Makand Beguera and his Queen Raj Bai at Sickhej (see No. 14 on plan).—These buildings overlook the large tank at Sirkhej, and are divided by a parch which is now disfigured by whitewash and blue paint. The tomb of Mahmud Beguera is a domed building surrounded with windows of stone trellis-work. It contains his tombstone and those of his sins, all of which are very handsome and of white marble. The floor of the building is of black and white marble, but no area is taken to keep the place clean, and the neglect and the whitewark which, as

elsewhere, is unnipotent, reader the place unattractive in spite of its good design and somewhat details.

- 30. The Tomb of Hibi Raj Bai at Sirkhej (see No. 14 on plan).—This contains three tombstones handsomely carved, but the building is neither so large nor so well decorated as that of Mahmud; and, as far as I could ascertain, the interior columns and screen-work are of plaster.
- 31. The Sirkhej Tank (No. 14 on plan).—The walls of the various buildings require careful examination, and the numerous creepers and prolife vegetation which appear between the joints of the masoury should be utterly destroyed. The porch in the southern colonnade of the mosque of Ganj Buksh is particularly threatened with destructive overgrowth, and its great beauty demands that so simple a matter as the cutting out of roots should be undertaken without delay. The ruins of the palace, waste weir of the tank and supply since require periodical attention of the same kind; but there is a small mosque on the eastern side of the tank which is bricked up, neglected, and should be cleaned out.
- 32. The Tomb of Azom Khan and Mozam Khan (see No. 14s on phin).—
 This is a brick building on the road between Ahmedabad and Sirkhej, and is said
 to contain the remains of the two architects of Sirkhej. Its peculiarity lies in its
 great massiveness resembling the sloping bastioned architecture of Tugklugkabad
 near Delhi.
- 33. Synd Usman's Tomb and Mosque [see sketch No. 4] (see No. 15 on plan).—
 On the opposite bank of the river Sabarmati, and about a mile from Ahmedahad, are
 the mosque and temb of Synd Usman, which Mahmud Begurra built in A. B. 1469.
 The beautiful tomb building, although now so disgracefully seglected and
 maltreated, played a part when the subject of Indian architecture excited interest
 in Europe at the time of the Paris Exhibition of 1867; and the illustrations in
 Mr. Hope's Ahmedabad Book afforded to the British Commissioner suggestions for
 a building which had for exhibition purposes to be extremely open and arry.
- 34. It was mainly due to the attention given at this Exhibition by the Science and Art Department to the subjects of Indian scalificature (by means of surious illustrations and partly by photographs collected by Mr. Fergusson) that public interest awakened to the importance of collecting information on the subject. In fact, in 1868, at the instance of the Science and Art Department, a representation was made by the British Government to the Government of India to conserve and, record the most remarkable of the ancient monuments throughout the whole country. Later on sanction was obtained to survey parties for Bengal, Madrae Bombay and the North-Western Provinces, which ultimately led to the appointment of Archeological Surveyors under the Government of India and under the Governments of Madrae and Bombay.
- 35. The tomb is 80 feet square, and the mode by which the central done is supported on columns gives a picture-sque variety to the interior, and renders the design altograther the most successful of all those to be seen in Ahmedabad. The interiors of both the large central and four smaller domes over the sides of the building are beautifully ornamented after the Jaina style, and are well worthy of illustration by drawing or photography. The columns are of a simple Hindu pattern, and their number and peculiar arrangement would give the interior an effect of propriety and dignity if the building was treated with any respect.
- 36. The adjoining mosque is remarkable for its minarets which, although of more than ordinary simplicity for Ahmedabad, are graceful in outline and effectively grammented. Both mosque and tomb were during my late visit enclosed by a healer

of theres, the interior space being used as a cattlegard by a native cultivator who fixed in the temb, and had anclosed a corner of the building with mad walls. Come were at an opposite corner surrounded with dung, straw and dirt. Piles of fulder filled up the space over the tomas; vegetation was destroying the roofs of both manyar and tomb. The mathle meksah of the former as well as its marble floor had been removed bodily, and the whole place was a wome of greater devotation than I can describe. The obvious remodies are to clear the place of cultivator, cuttle and jungle, and to put the two monuments in proper custody, and to repair the roofs which now leak embently. When this is done, the buildings should be feuced round with a simple seen railing to keep off waltle.

- 37. Synd Alam's Masque (see No. 16 on plan).—In the north-west quarter of the city stands the mesque of Synd Alam. Built is Ahmed Shah's time, it is an early, although plain, example of how the style developed itself. Its plan and proportions are good, and all the columns and various parts of the structure were made expressly for it, and not taken out of a Hindu temple and adapted. The building was during my visit under repair by the Public Works Department.
- 58. The Shakopur Mosque (see No. 17 on plan).—This mosque is in the north of the city, and although small and unfinished, is one of the most ornate baildings in Ahmedahad. It was built in A.D. 1565, but the minarcts were never completed. The tracery in their lower parts are most beautifully designed and executed. The frentage has a range of pointed arches, over which is an upper storey encircling the dame. The interior is partly whitecashed, and the building is dirtily kept, whilst the roof is covered with regetation. All this might with propriety to remedied.
- 39. The Achut Bibi Mosque (see No. 18 on plan).—About a mile to the north of Ahmedabad is the tomb and enclosure of the wife of one of Ahmed Shah's Waxirs. The minarets which ones adorned the entrances to the ground and the great archway of the mosque have been ruined, wholly in the first case, and partly in the second, by the earthquake of 1819.

The fucade of the edifice is handsome, the curving of the lower parts of the minurets being most appropriately and elaborately ornamented. To restore the healthings would establigeed cost, but to clear them of dist and debris, and to arrest further decay by the removal of vegetation, and by atopping cracks in the minusery with convent, is a work worthy of being sunctioned, and for which the necessary expense would not be excessive. The buildings about the in custody.

- 40. Darya Khan's Tomb (see No. 19 on plan).—This simple and massively constructed building dates from A.D. 1453, and is near the Achut Bibi's mosque. Its dome is the largest in Guzenat, and entirely of brick. The walls and vermulable are of the same material; but owing probably to the same earthquake that brought about the ruin of the Achut mosque, the vermulab arches are ladly cracked. The interior of the building is spacious and lafty, and a canopied tembstone occupies his centre. The plane, which is very diety, repaires cleaning, and should be in suitable custody.
- 41. Min Khan Chisti's Masque (see No. 20 on plan).—This ornate building, erected in A.D. 1465, is near the Salarmati river, north of the city. Like other buildings of its class at Ahmedabal, it has two handsome minarets flanking a central arch. The railway officials have converted it into a residence.
- 42. The Shahi Roya (see No. 21 (m plan) —About a mile and a quarter north of Ahmedabad, and on the banks of the river, is the Shahi Bagh, or Royal Garden, built in 1622 by Shah Jahan, then Viceroy of Ahmedabad,

in order to give work during a famine. Mandelslo describes the Shahi Bagh as being in 1638 very large, shut in by a great wall with ditches full of water, a beautiful house and very rich rooms.

In 1666 Theyenot found the king's garden full of trees and the resort of all the young people of the city. The palace building is now used as a residence by the Assistant Judge. The flood of 1875 destroyed the garden beds.

- 43. The Queen's Mosque in Mirrapur (see No. 22 on plan).—Near the travellers' bungalow on the road to the Delhi gate is the Genen's mosque, built probably A.D. 1430—1440. The building is 105 feet long, 44 feet broad, and 32 feet high. It takes its names from two ladies of Ahmed Shah's household whose tembs are close by. One, Rupavati, was by birth a Hindo. The minarets, although broken by the earthquake in 1819, are the chief beauty of the mosque. Their bases are exceedingly claborate and full of the most graceful foliated ornament. Projecting bracketted windows are another handsome feature in the façade. The temb is a good looking building, and has been repaired by the Public Works Department. The central and four flanking domes are supported on columns, the whole being open on all four sides. The insides of the domes are richly fretted. The mosque is still under repair; but the work is incomplete, and the stone carriags would be much improved by cleaning. The censer and chain is a conspicuous ornament, and appears in the mehrals of the west wall of the interior as well as in the minarets. When the require are complete, the two buildings should be in custody.
- 44. The Shah Khuh-ki-Morjid.—This is a small building in the city near the main street, and close to a highly curved and picturesque wooden pigeon cot (see sketch No. 6). There are four ranges of eight columns, the façaite being flanked by two thin minarcts. The rain leaks builty in the roof; this requires remedy, and the place should be cared for.
- 45. Kniub Shak's Marque.—This building is in the city on the road to and near the Delhi gate. It nearly escaped mutilation, because the municipality wanted to straighten the road! It was built by Kuth-ui-din in A.D. 1440, and has a façade of 5 arches, the central flanked, as usual, by minarces which have been clausely repaired. The melicule is of white murble well sculptured, the top being inlaid with colored marble. The marque is used for storing hales of colors, so is the touch close by—a proceeding which ought to be stopped, and a proper custodism placed in charge.
- 46. Mahafix Khan's Mosque [see sketch No. 5] (marked No. 25 on plan)—Muhafiz Khan's mosque is in the north division of the city, and was built in 1405. It has three ranges of arches flanked by minarchs of great beauty in design and sculpture. The arches are edged with carved work, and above each arch is a small bracket window. The interior pillars support two domes, which are highly enriched. There is a gallery above filled with elaborate tracing. The pulpit and five mahrabs are elaborately carved, and the whole facilding is second to none in beauty. Repairs are being executed by the Public Works Department, and when completed the building should only be accessible through a proper and responsible castodian.
- 47. Dada Harir's Well (marked No. 26 on plan) —About a mile north-east of Ahmedabad is Dada Harir's well, built in A. D. 1485 by a lady of the household of Mahmud Begurra. At the ground level it is 196 feet long and 40 wide. It is a singularly beautiful architectural work, and the second best of

its kind in Guzerat. The finest is at a place called Adalaj near Ahmedabad. The structure consists of flights of steps and galleries descending to the water. These are ornamented with columns and niches highly carved, and the effect of the vista from one and to the other of the Bacei is most picturesque. The place is now much neglected. The well itself wants cleaning as the water gets fouled, and regulation should be removed from the masonry walls.

- 48. Minarets of a Mosque at the Railway Station (marked No. 27 on plan).— These minarets are the tallest in Ahmedabad, but all traces of the mosque and of its history are for the time lost; the lower parts of the towers are damaged, and the repair of them by the railway authorities would be a graceful act.
- 49. I was unable to see the following buildings, but hope to visit Ahmedabad again in a short time :-

			200	tion the Plan.
Malik Alam's Mosquis		100	1000	(28)
Butwa	660	222	100	(29)
Queen's Mosque in Sarang	pur	6691	(919)	(30)
Mosque of Muhammad Gi	HEFRE	ine.	8460	(31)
Mir Aba Turab's Tomb	117	475	772	(32)
Baba Lului's Mosque	257	100	777)	(33)
Tombs of the Dutch	400	110	(898)	(34)
Shah Wajih-ud-din's Tomb		120	19995	(85)
The Syami Narayan Temple		666	2000	(36)
Hustings Temple	212	***	322	(37)

50. One of the best features of Ahmedahad is its domestic architecture.

The town is full of highly carved wooden house fronts, small temples, pigeon houses and the like, which for variety and picturesque beauty cannot be surpassed by the best specimens of wooden architecture in Normandy and Cheshire (see sketch No. 6). I renture to august that estimates for the various restorations and repairs becommended be called for, and that a requisite number of custodians be appointed to take charge of the buildings specified.

51. Rock-cut Temple near Gancel Khind, Passa (see diagram).—On the road to the Gancel Khind and a little to the west is a curious temple to Shiva. Mr. Fergusson says of it:—

"One more illustration must conclude what we have at present to say of Himin rock-out temples. It is found more Poons and is very little known, though much more appropriate to save architecture than most examples of its class. The temple itself is a pillared hall with apparently ten pillars in front, and probably had originally a structural Sikra built on the uppar plateon to much the position of the senethary. The most original part of it is the Nandi pavillon, which stands in the courtyard in front of the temple. It is circular in plan, and its roof, which is a great slab of rock, is supported by apparently existen square pillars of very simple form. —(See page 447 of Hielery of Indian and Kartery Architecture.)

The illustration in Fergusson's book gives an impression of much greater size than is actually the case, and being thus prepared, I at first found some difficulty in identifying the place.

The circular mandapam is of solid stone, but four columns have fallen. The resident Brahmins called the temples "Panch Pandunki Dewal." The fallen stonework could be reset at a moderate cost.

- 52. Temple of Parvati, Poona.—Pictoresquely situated on a hill south of the city of Poona is the temple of Parvati, built by the Peshwa Balaji Baji Rao in A.D. 1749. As an example of architecture of this date the building is not without interest, and should ultimately find a place among illustrations of Todian architecture. It has an endowment of Rs. 1,500, and seems to be in fair order.
- 53. Karli Cares (see sketch). Karli is a small railway station on the way from Poom to Khandala. The caves are on a hill about two miles north of the station. Full description is given in Care Temples of India by Fergusson and Burgess. The ascent to the great cave is very steep, and rises 600 feet above the plain. At the foot of the hill is a small village called Vihergang-meaning probably the "village of the Vibaras," and thus bearing collateral testimizary to the Buddhist origin of the caves. It is generally agreed that the age of the Karli Cave is antecedent to the Christian era. It is the largest Chartyn cave in India, its interior dimensions being 124 feet 3 inches long by 35 feet 6 inches | the width of the centre aisle is 25 feet 7 inches [see diagram taken from Fergusson's History of Indian and Eastern Architecture). The wooden ribs of the roof remain entire, and the circular screen of wood filling up a portion of the great arch in front has been replaced (over A). The columns of the central sisis have elaborate capitals. and the walls of the vestibule at A D are decorated with bas-relief of figure subjests. The temple to the goddless Rhawshi at the enfrance (C) has a hideons mod of sheet-iron. The horse-shoe arch at A line been bricked up and fitted with an unsightly doorframe and door, whereas a simple iron bar gate would answer the purpose better and not interfere with appearances.

The Buddhist Dagoba inside the temple at B has been coloured by the Hindus, who worship it as a Linguin; but they have no business in the place, and ought to be presented from using point and schitzwark in the calls and mulphress. The lighting of cooking fires in the case should also be stopped. Whitewark and paint should be removed, and the temple delivered over to a custodian. The rock above the Bhawani temple at C is cracked, and the dangerous piece should be removed. A pipal true, which has struck root at the same place, should also be englished. The cases of Maja and Bedsa are near Karli, the former 2 miles south of Karli, and the latter 5½ miles east of Bhaja.

51. Ambaranth.—Four and a half miles from Kalyan junction on the Great Indian Poninsula Railway is the temple of Ambaranth in a pretty valley on the edge of the river Wallawan. The temple, Mr. Burguss says, lates from A.D. 1986, and is an interesting example of Hindu architecture. Although in a ruinoise state, it is still of great benuty. Casts and drawings were made in 1568 by the Superintendent of the School of Art, Bomlay; and as far as illustration is concerned, all that is necessary has been done, provided the illustrations are still available. The temple is dedicated to Shiva, and is wholly of stone; if measures 87½ fast from east to west and 68 feet from morth to south. The satetim is reached by steps, and the roof ever it has failed in. The bidy of the temple, i.e., the alytum, is very line; the columns are elaborately scalptured, and the construction of the roof is massive. The side nules of the advitum are coved and the lintels between columns are in many phases dangerously broken. There are perches on the morth, south and west sides, all very elaborate in design and execution. The exterior of the temple is as rich in ormanent as the interior. The pipal trees in the roof should be outcooked. An enclosing wall with cella formerly surrounded the building; now only part remains, and the neloced space in

and the whole area cleaned up. The interior of the temple should be made seem, and the whole area cleaned up. The interior of the temple should be made secure by strengthening the broken stone-work with iron cramps, and the roufe should be residered impervious to rain by filling in the exacts with cement. The place should be in enough, and it would facilitate this if a rough stone wall could be built round the edifice to keep off intenders.

Robinson, R.E., Executive Engineer of the Bombay Defences, who accompanied me to see them in March last. His predecessor, Captain Haydon, R.E., obtained the necessary sanction for a resident custoffian, who keeps them clean and receives the fees paul by visitors. The place is consequently better cared for than any of its class in India. Mr. Burgess, Archaelogical Surveyor of Bombay, has published an account of the caves, which are therefore well known and frequently visited. The fees paid by visitors more than cover the expense of care and enstody.

Note on Works undertaken in the Bombay Presidency, dated 14th September 1882.

1. I find from a Minute on the restoration of ancient buildings by Mr. J. Gibbs, dated Bombay, September 1878, that in 1856 Government, at the recommendation of Sir Bartle Frere, sanctioned a proposal of Mr. Gibbs, when Assistant Commissioner in Sind, for the repairs of the Jama Masjid at Tatta and tombs on the Makii hill, and contributed Rs. 5,000 towards the former, which was supplemented by the Syads who had charge of the message with a similar sum, and Rs. 2,500 towards the latter. In 1867 a sum of Rs. 5,300 for the Shah Alum Roza and Rs. 5,000 for the buildings at Sirkhej, Ahmedahad, were sanctioned. In 1869 and 1870 Rs. 3,000 were sanctioned towards the repairs of the palace, haven and taok at Sirkhej, and in 1871 and 1872 upwards of Rs. 2,000 were expended on the Roza of Rani Sipri on the Astoria read, Ahmedabad.

 The late Major Mant, E.E., was appointed Conservator of the Archaelogical and Architectural Remains in the Bombay Presidency on the 7th September 1878, and in July 1879 inspected and reported on the buildings at Ahmedabad.

3. My reports on Bijapur, Ahmedabad, Karli, Ambernath, and Elephanta were submitted last year to the Bennhay Government.

The conversion of the Bijapur city into a head-quarter for the Kaladgi district promises to be one of the most important of missures in the scheme for preserving national menuments. The estimate for the whole project does not include special repairs to the architectural buildings, which I hope will be thoroughly carried out.

The caves at Elephanta have been cleaned up under Captain Robinson, a.s.

a. The fine mined and descried temple at Ambernath is about to be attended to Require based on the proposals of Mr. W. B. Mulock, Collector of Tham, amounting to Rs. 586, have been sanctioned, and an estimate is under preparation for the rebuilding of the upper portion of the walls of the sanctum and towar of

the temple.

6. Mr. Mulock has made some suggestions in respect of the (1) Bassein Fort and its large raise; (2) the Kanheri caves in

Mr. Mulock's experien. Subsette; (3) the Kondane caves below Rajmachi
Fort in the Ghor Ghat ravine; and (4) an old temple to Mahadeo in the Imm
village of Lennel.

He writes as follows to the Bombay Government:-

"Regarding the former (Bassen Fort) in 1850. Government granted a losse for 30 years to a Major Littlewood, which is now in the bands of his widow Mrs. Littlewood. The lasse expires in 1890, and on its expira-Bassia. Gor. I am strongly of opinion it should not be removed, as Mrs. Littlewood is constantly making claims to trees, &c., within the Fact ; and while thus occupied by a lesser, it is impossible to effectively ensure the protection of the ruins.

"The Kanberi caves should have a costedian like the Klephania caves, who would keep them Kanheri, to the caves were located by finding a corps hanging from a Daghoba in one of the principal cores. The decread had, it seemed from pales inquires. committed michila.

"The Komlane caves were handed over to the Forest Department, but I don't believe a forest

officer or spoy has risited them since the renm of the Governe

Residues officer of spoy has risited them since the icers of the foreign name Resolution. No. 565, dated 22nd Volumey 1877. The caves should be handed over to the patel of the village, who should be made responsible for its cave. The Mahades temple at Leman was presented as by Mr. Similar's Indian Arrhundistics. IV, 68. When I see it a few days ago, a number of the straw ricks were heaped up around it, whom, if they mought have irretrievably destroyed those benefited and volumble oil number. In my opinion a metral bedge should be planted ryund this also, as I suggested for Ambernati, and the patel should be answerable that no further injury is done. The beautifully curved stome lying about should be collected, and placed within the molecure also. Regarding all the above, I think the respective patels and talatic should make an around report on the state of the rooms, and the manufactor of his first or district harkon should once a year risit each and submit the patel's and talatic reports, with his own remarks thereon, to the Collector. The disc approximation of the rains would then be consured. then be ensured."

I hope soon to visit the buildings.

7. With respect to the Karli caves, an estimate has been sametioned for providing iron gates to the caves, and for removing old Rueli: musoary from the archway. The question of cleaning up the old Buddhist curvings and the interior of the cave has been the subject of some correspondence, and the question is; as far as I am aware, unsettied at the present moment.

Some repairs to the monuments and mesques at Ahmedahad are this year provided for, but I hope that the Bombay Govern-Ahmolahad. mont will cause the work to be thoroughly carried out. An Imperial grant-in-aid will be given.

Mr. W. Woodward, Collector of the Panch Mahals, has invited my attention to the ancient buildings on the Pawagar hill, Pawmer. and I hope to visit the locality before long.

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Note on Preservation of Monuments in Bengal, dated 17th September 1882.

Sir Ashley Eden in 1880 ordered the Great Temple at Buddha Gya to be repaired; this was before I was in a position to give any advice, but I visited the building in March last, and submitted the following observations to the Government of Bengut in a letter dated 23rd June 1882:—

"I have the honour to salomit the following suggestions and remarks on the restoration works at Bushiba Gya, visited by me on the 7th March last.

- "Z. These works were commenced before the establishment of my department, and not baying seen the great temple previous to Mr. Beglar's operations, my knowledge of its former condition is confined to the descriptions and illustrations in Mr. Forgusson's History of India and Eastern Architecture, and in Rajendra India Mitten's volume on Roddita Gya. Locking, however, to the character of the massary, which I examined in company with Mr. Beglar, and which is merely a mass of mud and brick, and considering that the original surface protection was nothing but plaster, I do not see how the scenrity of the building could have been provided for in any other way than that carried out under Mr. Beglar. The careful renewal of the exterior phaster envelope on the old architectural lines seems to be the only masser of successfully conserving such a building; and although the cost has been considerable, the great historical value of this relie of Buildissin, in my opinion, fully justifies a large outley.
- **3. If too much has been done anywhere, it is in the votive buildings which surround the temple; but I heatate to criticise where my previous knowledge of the condition of these particular manuscrats is so meagre. There are, however, three important points to which I respectfully invite the attention of the Bengal Government:—
 - (i) The advisability of completing a series of photographic views of the buildings, showing all the various stages of discopair, progress, and completion, accompanied by carefully measured plans.
 - (ii) Provision of permanent enstudy of the buildings, to prevent their being misappropriated by the natives.
 - (iii) The disposal of many hundred small stone fragments and votive offerings collected by Mr. Begiar.
- "4. In reference to illustrations, Mr. Beglar's photographs already furnish much information; but I suggest that completion photographs be taken, and plans be made to show the former and present state of the monuments. These would, I submit, furnish an important memoir of Buddha Gya, and be worthy of publication.
- **5. As regards enstody, the large expenditure of money will be of little avail if the structures are left to the mercy of the natives. I would suggest walling in the site, to prevent trespose of entile and idlers; and that a permanent and responsible enstedian be appointed under the Magistrate of Gya, as soon as Mr. Beglar is ready to make over charge of the buildings.
- " 6. So many of the votive topes and stone fragments are mere duplicates that there could be no object in retaining them all on the spot. I would therefore

recommend the Bengal Government to authorise Mr. Beglar to select these which should be kept in side, and to make up collections for presentation to the following institutions:—

The Imperial Museum, Calcutta. The Central Museum, Madras. The Museum at Labore. The Museum at Bombay. The Museum at Juipur, Rajputana. The Plmyre Museum, Rangoon."

2. Mr. Beglar informs me that he has drawn up a report and estimate on the preservation of Shir Shah's tomb at Sassemm, and that he has taken in hand the security of the roofs and domes of the building. I have not yet been able to visit Sassemm, but hope to do so shortly, and that provision for completing the repairs will be forthcoming.

 Sir Ashley Eden invited my attention in February 1882 to the temples in Orissa. These and other buildings in Bengal will be reported on in due course.

Reports on Central India Monuments, together with a Note on Works undertaken.

Gwalior.

Ist January 1881.

I visited Gwalior during November. Until quite recently, Gwalior has been an out-of-the-way city. The old mail road between Agra and Bombay passed at too great a distance from the fortress to make a visit convenient to fravellers, and the place was rarely seen except by those whose duties located them at Morar. or by an occasional tourist. The railway now brings Gwalior within 7 hours of Agra, and on completion of the bridge over the Chumbul the journey will be reduced to 4 hours. Eventually the line of railway will run through to Hoshungabad and be the main artery across Central India. Gwalior will therefore soon lave many more visitors than formerly was the case, and any steps taken by Govcomment to preserve the fine monuments in and about the fortress will be highly appreciated. I regret to have to record that travellers often remove stone carvings, pieces of colored tile-work, or any fragmentary relie that they can carry off. Others, besides travellers, have been the cause of even greater vandalism. Whole columns were some years ago removed from the fortress to allorn gardens in Morar, and some stones found their way to greater distances beyond. This, however, is Ising rectified, as my letter to Colonel Osborne, the Political Agent at Gwalior, quoted below* will show. The present General Commanding at Morar, General Gordon, takes considerable interest in the fortress, and I have no doubt that he would find it possible to provide a custodian for the monuments in the fort, and that his example would be followed by his successors. Nothing should be damaged, nothing removed.

^{*} Letter to Colonal Williamphia Deborne, duted Genilior, 19th Nanosher 1880. - I have unde an associantion of the monuments and belieflings of interest in the Gwallac Fort, and see how very large is

the field for doing very creditable work towards preserving them.

With the advantage of Captain fielth's experience I have seen all that is of greated interest, and have seemined the two Sas Bahu temples, the Tell in-Manufer, the small Julia temple beyond, and the pulsers known as the Shah Jahani, the Jahangiri, the Karan Manufer, the Vikramaditya, the Man Manufer, and the Gujari Mahal.

Buildes these, there are scattered all over the fort many interesting curved frequents of haddings which are no importanting. The debris composed of these form a thick covering from one end of the fact to the other, and I feel convinced that a large mass of matter interesting and valuable as artistic recents of the past his baried many feet mater the ground. To undertake a systematic restoration or require of the wonderful buildings in the fortenes is out of the question on account of the great cost which would be involved, and also because in a great number of mass there is no evidence us to the plus and mental be involved, and also because it a great number of most lines is no evid use us to the plan and characters of the habitings which formerly existed. A great deal may, however, is accomplished by extracting on what Captain Keith has already stated. He has, with the hid, I understand, of a Committee exampsed of yourself, General Gordon, Major Crewely, R.E. and the liberal grant of Re 1,000 from Cantanament Funds, been able to remain the Tell-ha-Manufer from ill-treatment as a soldier, coffee sleep, and the proposal of the Committee to remove this building into a kind of museum for exercel fragments of absenced orms to me to be worthy of all emergement and heip. I senture to suggest to you that the Government of India should be saked by the Agunt General for Central India to great a sum of Re. 8,000 for-

⁽i) the rescue of curved pillars and stone fragments from the debris which surrounds so many buildings in the fort ;

⁽²⁾ for the collection of these curved stones at the Toli-ka-Mandie; (5) for eleming the magnificent stone varyings of the temples called the—Sas Balm. Tell-Ka-Mandis.

and for the removal from them of the planter put in by the Muhammadans, and for the outting away of destructive vegetation ;

⁽⁴⁾ for the removal of the coats of whitewash which now ower the curved trellis and curved work of the courts in the Mandir palace,

As regards the custody of the buildings outside the fortress, His Highness the Maharuja would doubtless carry out any recommendation made by the Political Agent at Gwalior for prevention of damage and for keeping them clean, The buildings, &c., of interest at Gwallor are-

FORTRESS.

Gales.

Alamgiri Gate.—1060 A.D.

Hindola Gate.—1479-1516 A.D.

3. Bhairon Gate.

4. Games Gate, -1421-1451 A.D.

Lakshman Gate,—970 A.D. (and rock-ent temple).

Hathiya Gate,—1486-1516 A.D.

7. Hawa Gate.

Pulaces.

1. Shah Jahani.

2. Jahangura

Karan Mandir.—1454-1479 A.D.

4. Vikramaditya.-1516 A.D.

5. Man Mandir, Man Sing's Palace,-1486-1516 A.D.

Gujari Mahal.—1510 A.D.

Temples.

Teli Mandir-Sas Balin (two temples). Jaina Temples.

On the sides of the Rock of Gualiar-inside and entside the Fort-rock scalplures of Jain Synres.

OCTATION THE FORTHESS.

Tomb of Muhammad Ghans, built in the early part of Akbar's reign-Jama Masjid near the Alamgiri Gute.-1065 A.D. Muhammadan tombs near the north cod of the fort.

Plans of almost all these have been made by General Chaningham—sec Vol. II of his Report, chapter XVI; but I propose to put in hand drawings showing in greater detail the beautiful ornamentation of the best parts of the judices and of the temples,

If to this sum. His Highness the Mahareja of Schulla would sold nomething more, he would be alding in a noble work and giving assistance to the preservation of works of high artistic interest or his

The Touck of Mahammed Ghans in the old city of Gwalice is only in head of cleaning and report to the Scoutiful acrees work which renders that holding so attractive and remotivish. This, beautier, is clearly a work which could only be done with the not and practical assistance of the Highway the Maliais clearly a surk which could only be done with the not only period assistance of the Highway Legis. As Captain Keith takes a confinancial an interest in all that concerns Granies, and has already large in the collect stone carriers for the proposed summan at the Tall kn-Mandie, I could that be be quite the most the officer to be cutrasted with the energying out of the sort. I understand that he is equite from the Army his scribes rould therefore because equilable, and I could copped. If the grant's sometimed for the worse specified, that he should be capted to carry then out for a limited period amendment of the truncate of the proposed moneton and schildren in one I for should already as already formed for the proposed moneton and schildren, the seconds in me. I for should already to give him any advance and assistance either presentably or with the trafficion which with the control of the Agent Geometic and the Geometic Constrainting I proposed abstrates the fort for the purpose of making drawings and illustrations of the last portions of the buildings. purpose of making drawings and illustrations of the less portlens of the buildings."

His Highness the Maharafa of Scindia has within his territories many fine rains of great artistic beauty, and isolated fragments of carvings (that could not be replaced in their buildings) might be collected and arranged in a museum at Gwalier, and form the nucleus for a school of Oriental art and architecture. An institution of the kind would enable the Maharaja to patronise good art.

He has already creeted one huge palace of modern Italian architecture, and has nearly completed a second building which is in a very debased native style. During my recent visit to Gwallor I went over this new edifice. The best feature of the exterior is a colonnade, circular in plan, with some elaborate and well carved stone pillars and spandrils. These are being painted over in oil color a dark brown and picked out in bright reds and blues!

The interior reception and other rooms are being gandily decorated in frescoe arabosques. The head painter, who hails from Nagpore, is very elever with his brush as far as ornamental drawing goes, but has little idea of harmonising and tening down his colors.

He took me with great pride into one of the rooms to see his elef d'auvre—a decorated pilaster, the lower panel of which contains a copy of a coloured photograph of Lydia Thompson in satin tights!

Extract from a letter from Carrary H. H. Cola, R.E., Curator of Ancient Monuments in India, to the Agent to the Governor General, Central India, Imbore, dated Simia, the 3rd August 1881.

I have the honour to inform you that I have recently visited Gwalior and have seen the work being carried on by Major Keith in the fortress. The cleaning of the scalptures in the fine temples, the Teli-ka-Mandir, and the two Sas Bahu is highly satisfactory, and Major Keith has by untiring supervision accomplished considerable and most creditable results at small cost. I have received a copy of his preliminary report, but I have suggested to Major Keith the propriety of thrawing out a detailed report of the work that has been done and is in hand; also that he should compile a list of all buildings, caves, and sculptures worthy of being preserved, adding any observations of his own on the peculiarities of the varieties of art exemplified in the fortress. This report is being printed.

2. The work of eleming out the Man Mandir Palace has not yet been commenced, but I understand that the commissariat stores can be transferred to the old magazine or some other vacant building of no architectural importance; but I would suggest that an early application be made to the military authorities for the immediate handing over of the Man Mandir Palace to Major Keith, in order that the fine courts and apartments may be chanced and the whitewash removed from the massery walls, trellis work, and sculptured enaments. Major Keith has a good deal more work to do in connection with the work specified in the analysed report, for which Rs. 5,000 was sanctioned.

4. The fine old tomb of Muhammad Ghans in the old city is much in need of repair and clearing out, and the chuttries of maharaja's ancestors in the new city, * although of considerable beauty, have been elsewed by repeated coats of

* I. Theylat flam, daring about 1814. II. Jinguji Res, duting about

III. Publ Salids, dating about 1400. whitewash. Many of the picturesque balcaries and windows of the city houses are spoilt by whitewash, the prohibition and removal of which from stone trellis work of any kind is very advisable.

5. On the south-east face of the fortress is a group of caves containing some very interesting Jaina statues and sculptures; some are closed in by buts occupied by natives and cattle. It would be of advantage to clear the place of all such dwellings. The Urwahi valley in the fort has a large number of similar Jaina caves and scalptures, and large masses of debris obscure their bases.

Extract from a letter from Carratz H. H. Corz, H.E., Camitor of Ancient Mounments in Toda, to Sta. Large Genergy, K.C.S.L. Agent to the Governor General for Control India, Indias, dated Scalathe 31st October 1881.

2. In regard to the further employment of Major Keith, I would suggest that an application be addressed to the Government of India for his services for one year from the 14th March next, in order that he may superintend the completion of the work to be done at Sanchi,

Copy enclosed.

Copy: enclosed.

as detailed in my report of the 10th January last, and in order that he may carry out the preservative measures at Manda, recommended in my report of the 5th January.

- 3. If this can be arranged, it would, I suggest, be better for Major Keith to utilise the cooler seasons at Sanchi and Mandu, where he must be under canvas, and to return to his Gwalior work in the hot weather, when he cannot be in camp. It would, I submit, be a good plan to send a Public Works subordiunte, who is a good draftsman, to work under Major Keith at Gwalior.
- 4. As regards Sanchi, I venture to repeat my suggestion that an Engineer be employed to rebuild the fallen gateways, working in communication with Major Keith, and that photographs be taken when the work is completed.
- 5. In reference to Mandu, the survey referred to in my report of the other January is complete; and a copy attached shows what jungle and vegetation should be cleared away.
- 6. If a further grant is required for the Sanchi work, I would suggest that application be at once made to the Government of India.
 - For Mandu, I would recommend an application for a grant of Rs. 2,000.

Sanchi Kanakhera in Bhopal.

10th January 1881.

I visited Sauchi on the 27th November 1880, and remained there some days in camp. A survey has been made of the bill on which the Buddhist topes and other monuments are; and this plan serves as a record of their present state, and shows what should be done in the way of clearing away overgrowth and trees.

I am indebted to Captain Bell, n.e., v.c., for the permission which was given to have the plan and key-drawings of the fallen gateways reproduced at the Intelligence Branch of the Quarter Master General's Office at Simia.

The jungle has increased very much since I was making easts in 1969, and great damage has been done by the spreading of toots and branches of tress to the railing round the great tope. The opening made in this tope in 1822 is now overgrown with creepers, and they are forcing out the massnry face work which covers the hemisphereial mound. The railing on the south has completely falled

and natives have been recently mutilating the carrings on the eastern gateway. They have also out up one of the pillars (at II) (erected by Asoka over 2,000 years ago)—for crinil-loves.

As regards custody, it is absolutely necessary for a trustworthy watchman to be always on the spot in order to prevent such wilful damage. The remains at Sanshi are second to none for their importance as evidences of early Buddhist history, religion and art, and it is worth the wages of three or four native custodians to ensure that damage goes no further, more particularly as the Bhopal State Railway will pass near Sanchi on its way to Bhilsa and make the place much more accessible.

The plan of the hill shows the position of all the topes, buildings, gateways, &c., and of all the fallen masonry on which there are valuable inscriptions and carvings. As a temporary measure, I have had the important fallen stonework numbered and the small fragments have been collected near the northern gateway.

The first work is to thoroughly clear away and outroot the trees and overgrowth shown in the areas cohord green on the plan. Great care must be taken to destroy the roots, particularly in the surface musoury of the Great Tope.

I think that the roots of the tree behind the northern gateway should be examined, and if they are doing or likely to do harm to either the tope, the gateway, or the railing, it should be carefully feiled and the roots dug out. If not, it might remain, as it rather adds to than detracts from the picture-sque appearance of the place.

In removing the jungle not more should be cut away than actually threatens damage to the masonry structures.

The breach in the tope at the south-west should be filled up and the facing stones relaid.

As regards the restoration of stones to their former positions, a great deal may be done to immense advantage. The miling which once surmounted the hemisphere of the tope has a few pieces on the tope, and many his below between the tope and its surrounding railing. These should be first collected on the top and then, as far as possible, pieced together.

All the carved fragments behind the stone railing and the topo (excepting the figures of Buddha, which are still erect) should be removed to the open spot in front of the northern gate, where they can be well seen.

The northern gate is in fair condition. The capital of the Asoka pillar lying near it (105, 105s, 106) should be set up (at G) with the statue, the pieces of the broken pillar collected and examined for any inscription.

The sesters gote is much rained. One column and dwarf empital is still erect left the other parts of the gate are on the ground and all three architectures broken two in two pieces the third in three pieces. The small Lion capital with a broken wheel lies near the fallon portion of the gate, and rested formerly on the uppermost architecture, in which there is a slot for the purpose.

The south gate is also much suined; both lion-headed columns are down and broken. The appearant prelitrave is broken in two, the two others broken in three pieces.

An Asoka Lit of about three feet diameter has on one side much broken, and near it a line Lion capital.

The castern gateway, a cast of which I made in 1869, underwent (for the purpose of obtaining clear moulds) a thorough cleaning, and the sculptures are much improved. The railing at the back of the gate requires cetting up. In front of the gate are two troken Asoka columns; the Laon capital which lies near should be set up.

The rebuilding of the fallen railing of the tope und the western and wattern gatesays will require the superintendence of an engineer and the use of strong lifting apparatus. It might perhaps be possible to obtain the services of an efficer from the Bhopal State Railway for the purpose, and I strongly recommend that immediate steps be taken.

The accompanying key plans of the south-west and small gate show what has to be done.

I understand from Major Pridemy, the late Political Agent at Bhopal, that he had arranged with Mr. Mears, the headmaster of the school at Schore, to arperintend the enting away of the jungle, and he could do exercting except the rebuilding of the fallen gates. It would not be difficult to clean the sculptures of the northern gate. A strong solution of soft soap and water is applied to the stens surface, and the lichen and plaster which now covers the carvings made theroughly seft. It can then be removed with an iron point, and the whole scrubbed out with a hard brush, (made by leating the end of a small hamboo into fibre.) A mason and four natives could clean the northern gate in a few weeks.

Besides the Great Tope there are several other interesting and artistic monuments and buildings on the Sanchi hill. The buildings should be cleaned out, the define removed and curved stones taken out and placed as as to be easily inspected.

The clearing of jungle, &c., should be put in hand as soon as practicable, and an engineer detailed to estimate the cost of rebuilding the fallen gates. The two thousand rupees sanctioned by the Government of Imila will not suffice for rempleting both those works, but Her Highness the Beginn of Bhopal has officed. I understand, to render assistance in the way of labour, and this will lessen the expenditure; if, however, a supplementary grant is necessary, I hope that the Government of India will be disposed to sanction any further sum.

Mandu in Malwa.

5th January 1881.

Manda is reached from Masse via Diar; there is a good metalled road the whole way; total distance about 56 miles. The Manda buildings are described in Fergusson's Indian Architecture, page 540; and the Maharaja of Diar has detrayed the cost of republishing a short history of Manda by "A Bombay Sunaturals, which appeared in 1844. The site on which the city of Manda is placed is about 1,044 feet above the sea, and rises 1,200 feet aboutly above the plains to the scath. The view is splendid, and the position of the hill made it a formidable stronghold, which the Hindus retained until driven out by the Muhammadana, who exerced there an independent Mostem principality up to 1568 a.D., when Akhar annexed it to his dominious.

Sultan Heshang Gheri, who governed Malwa from 1405 to 1432 A.D., erceted all the finest of the Mandu buildings, the present condition of which I will presently describe. When the Mahrattas conquered Malwa in 1732, Mamin, emerge to be an important city, was describe, and left to the tender mercies of the vagetation which has covered the whole hill and enveloped the mesques and palmon. The roots of pipul trees show a preference for walls and domes. They force out the stone work in every direction, whilst the large and reliable trees undermine and bulgs out massive blocks of minoury and cause their overthrew.

The Maiaraja of Dhar has, however, taken steps to preserve the fine monnments of Manda, and is putting some of the best in repair. More must, however, be done before these magnificent national buildings are resented from the powerful and prolific vegetation which continues to threaten their destruction. I propose to have a complete survey made of the following structures, and to illustrate their architecture by plans, drawings, and details.

(1) Rup Mati Palace. Vegetation in the roof and walls requires weeding out and the roots removed.

The lower parts of the building are used as dwellings.

(2) Baz Bakadar ki Makal.—The jungle outside this building is very bad. The pipal roots have forced their snake-like lengths into walls and domes.

The court-yards require cleaning and cleaning of weeds.

The colonnales are used by eattle, and the interior vaniting blackened by smoke and bats.

(3) Jama Marjid.—A fine massive building. The east colonnade is almost ruined, and the colonnades on the north and south are badly ruined. The domes over the mosque are covered with vegetation.

The pulpit inside and the niches or "mehrabs" require clearing. They are particularly remarkable and handsome.

The whole place requires vigorous attention in the way of clearing and repair,

The Maharaja's workmen had begun to cut away jungle here, and to execute some small repairs when I visited Mandu.

- (4) Tout of Sultan Hoshung Shak,—A handsome massive marble building. The Maharaja is beginning to repair it; the interior is in fair condition, and the tembetone handsomely carved. Beyond the enclosure of the temb is a curious vanited corridor.
- (b) Hindole Makel.

(6) Champa Baoli. A collection of palace buildings, but very much

(8) Taweli Mahal.) ruined.

The Hindela Mahal is very massive and of singular design. The roof has fallen in and the walls much covered by vegetation.

The Jahaz Mahal is used as an elephant stable, and the Taweli Mahal is occupied by Bhils.

(9) Chata Jama Manjid—Is a remarkable building, having been constructed out of the materials of a Jain temple.

It requires much attention in the way of clearing woods and vegetation.

The colomades of Jain column resemble these at the Kuth, and are very handsome.

When a general survey has been made of the rains, the amount of jungle to be cleared can be indicated, and the Maharaja might be asked to undertake to have the work done, and to take simple, but effective, measures for preventing the buildings from falling to the ground. Near Nalcha, which is between Mandu and Dhar, is a ruined Mahammadaabuilding which Sir Thomas Malcolm converted into a residence. At present it is occupied by Bhils.

Dhar.

The capital of Malwa was formerly Dhar—an old Hindu city, some 23 miles morth of Mandu; but nothing remains of its greatness, except two remarkable mosques erected out of Jaina remains.

The Kanal Mools or Jama Masjid has a quadrangle of fine Jain columns, and the domes over the mosque are very fine and elaborate, similar to those in the temples at Mount Abu.

The floor of the mesque is of black stone slabs, from which Sanskrit inscriptions have been effaced. The niches and the pulpit are handsome. Two of the columns supporting the central dome of the mosque have on them a couple of inscribed Sanskrit grammar devices, which show that they were probably part of a scholastic building.

The Lath Marjid.—So named from an iron column which lies in front of it—is a similar building to the Jama Marjid, but the Jama columns are not so elaborate. The niches or mehrabs and the pulpit are very good. Both those buildings are worthy of illustration, and should be cleaned out and the vegetation removed from the courtyards and from the roofs and domes. This the Maharaja would no doubt cause to be done, if asked.

Both these mosques have Arabic inscriptions over their entrances; and the Judge of the Sudder Court at Dhar has kindly promised to get them copied for me.

Ujain (Malwa).

6th January 1881.

The country of Malwa before the Muhammadan conquest was governed by independent Hindu Rajas. Vieramaditya is said to have flourished about the beginning of the Christian era, and to have founded the city of Ujain, which became a focus of the arts and literature of the Hindus. The ancient city has long since disappeared, but I visited a temple deflicated to Mahadeo, which is near the site of the old Ujain, and an investigation might result in the discovery of inscriptions. The building is partly earthed up, but still used for worship; its columns are all of a primitive shape, and have the appearance of being very ancient. Drawings would be interesting.

The modern city of Ujain is very picturesque, and has a handsome street of carved wooden houses, one of them being a palace of the Maharaja Scindia.

Drawings of these wooden façades would be an interesting addition to our knowledge of Indian art.

Water Palace near Ujaia.—This remarkable Muhammadan residence, which I visited on the 10th December last, is situated on a rocky island in the middle of the Sipri river, about 6 miles to the east of modern Ujain. It is said to have been built by Sultan Nasir-ud-din (1500-1512 A.D.), and is described in the History of Mandu

^{*} This from column is 0 inches apare and has a number of holes through it. Other pieces similar to it are close to the Headels Medal at Mandu and in front of the Agency Bangulov at Diar, and I maped that Mr. Fergusson's surmise (see page 541, of his History of Indian Architecture) that it was used for that Mr. Fergusson's surmise (see page 541, of his History of Indian Architecture) that it was used for some constructive purpose is correct. The Headels Medal takes its name from Acadels—a swing—and this iron but may possibly have been used for such a purpose!

+ Called incally Bhitari Kufar; it is near the Signi river, about a nois such of modern Upin.

by "A Bonnay Sunantern," originally published in 1844, and now reprinted by the Maharaja of Dhar. He writes: "The apartments of the palace on the ground floor, eight or nine in number, are lefty and commediens; on the terrace above are several siry chambers and two cupolas, which latter surmount the two principal of the lower apartments.

"Connecting this island with the northern bank there is a stone bridge, below which to the castward is a causoway composed of slabs of stone and intersected by numerous watercourses, some of which are of spiral form.

In different parts of the causeway are bowers and alcoves, with streams of water passing through the centre, several of the streams running. evenly along and then gliding down sloping watercourses: at the extremity of the causeway are some apartments on a level with the bed of the river, but below the suches of the came way ; from these small apartments you see in front a sheet of water falling from above. * * *" The bridge and parts of the emiseway. are built up of the remains of a Hindu temple; carved fragments appear in several places ; and as the place is known as " Kali-Jagga-ka-Mahal, or " Kalideh," the building may have been erected out of the materials of a temple dedicated to " Kali Devi." The building is certainly worthy of illustration by drawings and photography. It was probably designed to follow the example of the water palace. at Mandu built by Nasir-ud-din's father Ghias-ud-din, and is a singular instance of Muhammadan ideas of luxuriant and cool residence. The architecture is massive and picture-sque. The present condition of the buildings is not good, but I believe the Malaraja Sciulia has the intention of executing repairs. I propose to have a survey made of the palace, both for purposes of illustration and to show what should be done.

Note on progress of work at Gwalior, at Sanchi, and at Mandu, dated 18th September 1882.

I visited Gwalier in March last, and found that the Courts of the Man Mandir Palacs had been evacuated by the Commissariat, and that cleaning, removal of whitewash, removal of partitions and general repairs had progressed satisfactorily. The Teli-ka-Mandir and two Sas Bahu temples were still in hand, and the repair of their roof and towers progressing. Approaches had been made to some of the old Jaina caves in the face of the rock outside the fort, and Major Keith was basily collecting and arranging fragments of sculpture in the enclosure around the Teli-ka-Mandir Temple. I pointed out to Major Keith that whilst the roofs of the buildings were in need of considerable repairs to remier them proof against rain, restoration was going on in the way of carving stones, and asked him to complete the structural portions of the roof, leaving uncarved any stones inserted for the security of the building:

- 2. I wrote to the Resident at Gwalier, and suggested the adoption of regulations for the custody of the buildings, and recommended that the necessary sanction be obtained for the engagement of native custodian as specified in the annexed memorandum:
 - Names of each brilding to be out in the walls, with dates as given in the report of the Director General of the Archaeological Survey.
 - (2) Chowkidars to be appointed for-
 - (a) the Man-mandir Palace, | (b) the Teli-ka-Mandir,

(c) the two Sas Bahu temples,

with orders to report to the Resident any one disfiguring, defiling, or damaging the buildings.

- (3) No lighted fires to be allowed inside the buildings under custody. The chowkidars are to keep the buildings clean, and to report to the Resident any damage from rain or other cause.
- (4) A suitable shed or dwelling to be assigned to each chowkidar, so that no damage by smoke of cooking or other fires may occur to any of the buildings under emstody.
- (5) The orders to the chowkidars to be posted in each building.
- In May last the Maharaja Sindia contributed a sum of Rs. 4,000 towards the preservative works at Gwalier, and a grant of Rs. 2,500 has been made from Imperial Funds. I have bul a series of photographs taken of the Gwalior buildings, and the negatives have been sent home for printing. These show the condition of the buildings as completed or in progress in August 1882 under Major Keith.

4. Major Keith's report on Gwallor is being printed, and may serve as a guide

to the fortress and city.

- 5. Since the report on Sanchi was written, Mr. Mears, in March 1881, Superintendent of Public Works at Schore, was deputed to remove jungle from the several ruins; to collect all the carved stone fragments; to repair the great breach in the tope; to remove excepers from the face of the mound; to fill in the shaft sunk in the tope; and to clean the sculptures of the northern gateway. A series of photographs showing the progress of these measures have been taken by Dia Dyal, Estimator and Draftsman in Colonel Thomason's Office at Indore, and the negatives will be ant home to be reproduced by some one of the permanent processes.
- 6. Major Keith is about to proceed to Sanchi this cold weather for the purpose of restoring the fallon gateways and of completing the repair of the tope itself-Sir Lepel Griffin, Agent to the Governor General in Control India, has taken a great personal interest in the works at Sanchi, Manda and Gwalior, and it is due to his repeated solicitations that Government has consented to contribute grants from Imperial Funds for monuments of importance in Native States, and to appoint Major Keith temporarily, Assistant Carator of Aucient Monuments in Central India.
- At Mandu the removal of jungle has progressed under the Maharaja of Dhar, and some repairs to buildings have been put in hand. Major Keith will, I hope, be able to superintend some work here this cold season, and an imperial grant of Rs. 2,000, will be made to supplement what the Maharuja agrees to contribute towards the repairs, &c.

Report on Monuments in Rajputana, together with a Note on works undertaken.

Notes on Mount Abu, Ajmir, Jaipur, Ulwar, dated 5th July 1881.

- 1. A ride of 14 miles from the Mount Abu road station on the Rajputana

 State Railway takes one some 4,500 up the hill to
 the sanitarium of that name. Here are the head
 quarters of the Agent to the Governor General, Rajputana, and a small convalessent depôt, charmingly situated around the "Nucki-Tako" or Pearl Lake, and
 surrounded by picturesque rocks and green slopes covered with trees and beautiful
 vegetation.
- 2. The mountain runge rises abruptly from the plains, its scarped peaks varying from 5,000 to 6,000 feet in height. The Dilwarra Temples. approach on the eastern side is over a footpath, steep at first, which then winds through a beautiful valley to the station. The celebrated Jaina temples are about 14 half miles beyond, at the village of Dilwarra. Externally there is nothing to indicate the magnificence of the interiors of these edifices. Two are entirely of white marble said to have been brought from near Chandravati, and for minute carving and profusion of beautiful detail are unrivalled in India. The earlier of the two buildings dates from A.D. 1032, owing its foundation to a merchant, Vimala Sah. The later one was built by two merchant brothers, Tejpula and Vastupala, between A.D. 1197 and 1247. According to Tod, previous to the erection of the Jaims ediffices, the immediate spot was occupied by the orthodox divinities Siva and Viahna, whose ministers would not tolerate the approach of any of the secturian enemies of their faith. In order to propitiate these, a bribe was offered and accepted. The merchants were accordingly not ungrateful to "Lakshmi," the Hindu goddess of fortune, whom the Jaine enshrined in a niche on the right hand of the entrance.
- 3. This stands isolated in the centre of a quadrangle measuring outside about

 Vimila Sab Temple.

 100 feet from east to west, and 110 feet from

 north to south. Along its internal faces are ranges
 of cells—seventeen on the longer and ten on each of the shorter sides. A
 deable colonnaded piazza elevated four steps above the level of the court passes
 in front of the cells. In each of the cells is a small altar, on which is placed a
 crossed-legged figure of Parswamatha. Each group of four columns has either a
 multist or a flat roof. The whole is of pure white marble, every column, dome and
 altar varying in form and croament, the richness and delicacy of execution being
 indescribable. Crossing the pavement in front of the entrance, the mandapam or
 porch before the sanctuary is reached.

In this the carved columns with their struts and the demed ceiling are covered with flowing and graceful foliated sculpture and by figure subjects from mythology, in which the Brahminic and Jain emblems are curiously blended. The builder has here again testified his gratitude to the propitiated Hindus who gave up their site, by enshrining their goddess Bhavani in the conth-west corner of the quadrangle.

4. On leaving the enclosure, one passes to a square chamber with a number of columns supporting a low roof, in which is an equestrian statue of Vimala Sah

surrounded by ten elephants and riders. A good deal of damage has been done to the figures, and is said to have been the work of the iconcolast Aurangaib, who is answerable for the destruction of so many temples throughout India.

5. Repairs to this building are carried on periodically by the Jaims, but they are done clamsily. In order to strengthen broken lintels spanning elaborately-carred pillurs, unconta masoury arches have been in many cases built up between, thus covering large portures of the delicate and plures with bricks and morter! This could be remedied by removing the arches and by supporting the stone beams from above with tree justs, and by bolting these together. Many of the damaged carrings have been treated with pluster of Paris! All this might be removed.

6. The design and arrangement of this sheine are on the model of the preceding, which, however, it surpasses as a whole. Temple of Tejpala and Vestopals.

It has greater dignity, the fluted columns supporting the mandapam being loftier, and the vaulted interior being fully equal to that in the other in richness of sculpture and superior in the execution, which is freer and in better taste. All the marble is most delicately chiselled. The surrounding cloisters have a profuse variety of ceilings, some with handsome processional bas-reliefs. At the end of the quadrangle is a fine gallery containing elephants and large bas-reliefs of Tejpala and others. In the centre is a model of a temple under a small dome, together with black stone figures of Jaima Tirthankars. Repairs are excented, but the sculptured murble requires cleaning in the dome of the purch.

7. This has a handsome entrance, and the sanctuary contains a large brasen image of Parismath. There is a good deal of unnecessary filling up with bricks and mortar Banna Sah's Templu. between arches, which might be removed.

S. This is said to be the oldest building. The porch or mandapam has a fine dome, and the entrance to the sanctuary is elaborately eneved, but dirty. Samak Sah's Templa.

9. Plans and detailed illustrations will be prepared of all the Diluces buildings; meanwhile it will be important to arrange for the cleaning and other remailes here recommended, and to obtain an estimate of cost.

10. Ajmir.—The foundation of Ajmir is attributed to the Chohan Prince Ajaypal in the first century of our era.

It is built in a lovely valley, and bounded on the north side by the fine lake " Ann Sagur," which is entirely surrounded by hills, and on the west by the lefty Taragach with The Arbai-din-ka-Jhopea. its fortress. The town is enclosed by ramparts, built by the Emperor Jehangur, the walls of which communicate with the citadel of Tamgurh. Colonel Tod in his Rajarthan says-" Ajmir has been too long the haunt of Moghals and Pathans, the Goths and Vandals of Rajusthan, to afford much scope to the antiquary." It has, however, one ancient building in the " Arhai-din-ka-Thopra, " or shed of two and a half days," which was constructed out of a prostrated Jain temple by Altausch in A.D. 1236. General Cunningham believes that most of the buildings which furnished materials for the erection of the great mosque must have been prepared and carved during the eleventh and twelfth centuries.

11. The appearance of the old rain is very picture-sque, and the whole of the face of the mesque is covered with a network of sculptures. The interior pallars are not so irregularly placed one above the other as in the converted mesques at the Kuth, in Malwa and in Ahmedabad; but, as Fergusson says, " if they were

taken down by the Muhammadans, they certainly have been re-erected exactly as they were originally designed to stand."

- 12. The pillars have greater beight than those at the Kutb, and are more elegant in their sculptures and general appearance.
- 13. The attention of the Agent to the Governor-General in Rajputana was first drawn by the Government of India in June 1874 to the ruined state of the building.
- 14. An estimate was submitted in May 1875, and sanctioned in August of that year. The resetting of the arches of the façade, fresh paving, setting up columns, repairs to the roof and the renewal of a dome in the south wing were completed. A further estimate for repairs was sanctioned in April 1878.
- 15. Fortunately a proposal to pull down the entrance to the mosque enclosure was put a stop to by the Agent to the Governor-General (then Mr. A. C. Lyall) and the Commissioner of Ajmir (Mr. L. Saunders).
- 16. It was remains to clean the sculptures of the mosque, which can be done with strong soap and water or with a solution of soda. Hard brushes made of bamba beaten out at one end will remove ordinary crustation, but hard pieces of plaster or dirt should be carefully removed with an iron point. One done to the much of the marque is still open and admits rain; and as many of the pieces of manney are in existence, I strongly recommend restoration. It will be necessary to have estimates framed of the cost of these measures.
- The Daniel Bugh.

 Moghal Emperors, and the valley became filled with their palaces and gardens. "One of the most beautiful," says Rousselet, "is the Daolat Bugh, or Garden of Splendour, " which was built in the sixteenth century by the Emperor Jahangir, and now serves as the abode of the Commissioner. Elegant marble pavilions stand on the very edge of the lake, and command the incomparable view of the town, and the mountain is reflected as in a crystal mirror. The garden itself is of great extent, and full of venerable trees, beneath whose shade the haughty Jahangir received the Ambas-miler of an English Sovereign.
- 18. Colonel Tod in 1829 writes:—"The gardens erected on the embankment of the lake must have been a pleasant abode for the 'King of the World,' whilst his lieutenants were carrying on the war against the Rana; but the imperial residence of marble in which he received the submissions of that prince, through his grandson and the first Ambassador sent by England to the Mogul, are now going fast into decay. The walks on which His Majesty last paraded in the State coach sent by our James the First are now overgrown with shrubs." (See Tod's Rejasthas.)
- 19. One of the pavilions with muchle pillars is used as a library, another as an municipal meeting-room; but the architecture is so spoilt by exclosing walls, that it is difficult to realise what the buildings were like. I think all should be opened out and required. The huildings wight still be used for sitting in, and if filled with suitable purdahs would be more agreeable as places of meeting than they are now. Their present treatment I consider distinctly candabistic. Estimates for the measures suggested will be necessary.
- 26. Ajmir Town Buildings.—Ajmir possesses beautiful buzuar buildings with much material for an artist and architect; I propose later on to send some duaftemen to make drawings of ernamental details of the best specimens of Bujput art.

- 21. The shrine of Khoja Syad at the extremity of a long bazaar which rone from one end of the town to the other is a gent court paved with white polished murble and filled with buildings, tombs, mosques, and the mansoleum of the Syad occupies the centre. The saint was born in the year 1132 A.D., and was the first missionary of the Koma to Ajmir. Jahangir in 1610 A.D., built the mansoleum to his memory. Drawings of this and the older surrounding buildings would be of value.
- 22. Jaipur.—The parent city of the present Jaipur State was founded by one Dhola Ram in A.D. 967, when he and his Kachhwaha Rajputs conquered Amber from the Minas, and transferred their capital from Kho to Amber. In A.D. 1586 the Raja, Man Sing, began the present palace, uniting it with the femial stronghold of the first culers, portions of whose buildings may be still seen behind the remans. About A.D. 1630 the Raja, Jai Singh I., added the "Jess Mandar," the Diwan-i-Khas, and several other

palaces, enclosing the whole within a fortified wall. He also made the lake of Tal Koutara by crossing the ravine with a band, on which be planted gardens and creeted pavilions. In A.D. 1699 Sowai Jan Singh H. constructed the fine Games Gateway, but the position of Amber, with its inaccessibility and want of room for enlargement, lied to the removal of the capital, and in A.D. 1728 Sowai Singh founded the modern city of Jaipur.

- 23. On the occasion of my visit, Major Jacob kindly accompanied me to Amber and showed me over the palace. The approach Amber Palace. from Jaipur is most picturesque! ganlens, mined pataces, and buildings line the road which passes up the valley formed by the Kali Kho mountains and, ascending over the ridge, winds down to the vale of Amber and to the Tal Koutara Lake. The Amber Palace is about 100 feet above the water level, and from the upper plateau a grand view is obtained of the old town buildings, which fill up the north-cast part of the valley. " Nothing," says Fergussin, "can be more picture-que than the way in which the palme grows, as it were, out of a rocky base or reflects itself in the nurror of the deep lake at its base ; and nothing can be happier than the mode in which the principal apartments are arranged so as to afford views over the lake and the country beyond." An excellent description of the various palace buildings is given in chapter XX of Rousschet's India and its Native Princes, but a further and more detailed account is better reserved until I have, with the Maharaja's consent, completely surveyed the palace.
- 24. The Diwan-i-Khas is a singularly bandsome building. Its outer row of columns is of red sandstone finely sculptured, but the on dit is, that to appears the jealousy of the Emperor Jehangir, the carriags were covered with stuces, the removal of which would be unbecoming taste and an act of mercy.
- 25. Passing through the beautiful Ganes Gate the private gardens of the palace are entered. On the left hand side is the fine pavilion of the Jess Mandar, the exterior of which is of white markle ornamented with bas-reliefs. Mandar, the exterior of which is of white markle ornamented with bas-reliefs. The interior is divided into three apartments surrounded by a terandah, and the walls are covered with beautiful mosaics and inlaid work. The shirt the walls are covered with beautiful mosaics and its application to the or mirror work is most elaborate and sparkling, and its application to the Moorish pendentives of the collings is strikingly elever. The upper pavilions are Moorish pendentives of the collings is strikingly elever. The upper pavilions are also tastefully decorated, and have some beautiful wooden doors, which should be repaired and not allowed to fall into rain.

- 23. The pavilion over the Gaues Gate has also doots worthy of preservation. On the other side of the garden are several palace healdings, with the remains of coloured mural decorations and doors of initial ivory and sandalwood. The whole of these relics of medieval art should, as far as possible, be researed from neglect. In one apartment the walls are painted in freecoo, with representations of Benares, Mutter, and Bindraban. These are unique of their kind, and furnish some evidence of the original designs of buildings that have since fallen to rain. I here discovered the Temple of Govind Deva at Bindraban, the restoration of which has excited so much speculation as to the form of its roof. The freezoes should be carefully freed of dict and dust, and covered with a hard tensparent varnish such as used for pictures. All the beautiful marquetry doors that remain in the palace should, as far as possible, be preserved in situ, or else placed in those opartments to which civilors are allowed access.
- 27. The woodwork should be repaired and kept from cracking by careful dry subbing with vegetable oil.
- 28. The modern town of Jaipur is surrounded by high walls and laid out with regularity. It is remarkable for the wideness of its streets, and from east to west is over miles in length; in breadth it is about 11 miles. The buildings which line the principal streets have considerable pretensions to architectural effect, but the Maharaja's palace, with its pleasure gardens occupying one-seventh of the whole area of the walled city, contains the most remarkable monuments.
- 29. Some of the older buildings of Jai Singh's time are quaintly decorated with coloured tiles, and together with the wonderful astronomical observatory are well worthy of being preserved from destruction.
- 30. The more modern shiel or mirror decorations of the various pavilions, although brilliant and effective, do not compare with the older work at Amber for elegance and refinement in design. It seems, indeed, a pity that the wealth of Indian decorative art is not employed throughout the palace in place of the third rate devises of English upholstery.
- 31. During my visit to the palace I had the advantage of seeing the armoury, econducted by Dr. Hendley, and I hope that he will succeed in the proposal to rearrange the beautiful arms, so as to be well seen, and in carrying out the project for the formation of a museum of Indian art in Jaipur.
- 32. There are in the palace a large number of beautiful objects that seem uncared for and undervalued, from which a nucleus could be formed of an invaluable collection.
- 33. Some fine old carpets which I saw heaped in the palace stores were in danger of being cut up and sent to England. I maderatand they date back as early as the time of Akbar. Fortunately Colonel Beyonn recognised their value in time, and it is to be hoped that they will be allowed by the Maharaja to serve as patterns for the weavers of this country instead of for the looms of Kidderminster.

31. Ulwar.—Ulwar is said to have been first mentioned by Ferishah, who alledes to a Rajput of Ulwar contending with the Ajmir Rajputa in A.D. 1195.

Palace worthy of Historica. The city has several buildings of note, although not of great antiquity. The palace, built by Banni Singh, is a picturesque specimen of Rajput architecture, and is in parts worthy of Historica.

35. M. Rousselet says of the palace :-

The interior of the palace is very simple and aromaented with great tasts, with the arceptom of a few apartments furnished in the European style, where are collected a beterogramate and of a few apartments furnished in the European style, which are the admiration of the native. The furnisher and other articles from our manufactories, which are the admiration of the native. The architect's plan for doing without stairs is an excellent into, perticularly in this starrating architect's plan for doing without stairs is an excellent into, perticularly in this starrating architecture, the palace has as many as three or four stories, all of which, reached by most of country. The palace has as many accept from being fatiguing; and, the most of the palace goutly-inclined corribors, prevent the accept from being fatiguing; and, the most of the palace its India, it contains a stask mahal or chamber of crystals, in which are aggregated all the richard is India, it contains a season makes mahal or chamber of crystals, in which are aggregated all the richard is India, it contains a stask mahal or chamber of crystals, in which are aggregated all the richard is India, it contains a stask mahal or chamber of crystals, in which are aggregated all the richard is India, it contains a stask mahal or chamber of crystals, in which are aggregated all the richard is India.

36. Mansoleum of Baktawar Singh.—The mansoleum of Baktawar Singh is a handsome-domed building of white marbie, and resembles the chuttries at Governmen built by the resembles the chuttries at Governmen built by the Bhurtpur Chiefs in the last century. The Hindus adopted the nice of enshrining the ashes of their dead from the tomb-building Moslems, and the "chuttries" of the ashes of their dead from the tomb-building Moslems, and the "chuttries" of the ashes of their dead from the tomb-building Moslems, and the "chuttries" of Rajputana are often handsoms and skilful specimens of architecture. The Bostawar Rajputana are often handsoms and skilful specimens of architecture, and acrils Singh building to certainly worthy of illustration by plant and details, and acrils preservative measures.

S7. Not far distant from the Ulwar Railway station is a fine Mussalman tomb dating A.D. 1547, known as Fatch Jhang's Tomb. It is singular in construction, having a sat of the many of open colonnades, one above the other, surrounding a lofty square apartment with a handsomn dome. The musonry scales are now red with planter, decorated ment with handsomn dome, The musonry scales are now red with planter, decorated in parts with handsome invised ornaments, and with coloured tiles. The various in parts with handsome invised ornaments, and with coloured tiles. The various is parts with handsome invised ornaments, and with coloured tiles. The various is parts with handsome invised ornaments, and with coloured tiles. The various is parts with handsome invised ornaments, and with coloured tiles. The various is parts with handsome invised ornaments, and with coloured tiles. The various is parts with handsome invised ornaments, and with coloured tiles. The various of the requires closuring out, and the trees, whose roots are destroying the terrary of the tomb and its adjacent masque, should be removed.

- 38. The windows of the tomb have been closed with masoury, and the interior chamber in thereby darkened. They should be opened out, and to prevent the ingress of bate, a wire-gaute screen fitted to each opening. The regulation on the roof unit dome should also be removed.
 - 30. There is a somewhat similar building at Ulwar called the Kham Khama, but it remains unfinished.
- 40. Banni Singh was a patron of art, and employed skilled actisans amb painters in his palace. His library was stocked painters in his palace. His library was stocked painters in his palace. His library was stocked to present the great cost, and a splendidity illuminated copy of the Galistan is valued at Ra. 50,000. This book was lent by the present Maharaja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to the Exhibition of Native Art held at Simila in 1879, and its leather embous raja to th

Extract from a Memorandam on the Palace at Amber, addressed to the Resident at Julpur, datast 18th August 1882.

- 4. In the spring of last year (1881) I visited Jaipur and other places of interest in Rajpurana, and subsequently submitted a preliminary report, copies of which were circulated by the Supreme Government to the Agent to the Governor General.
- 5. In this report I noticed in general terms the condition of the interesting Palace at Amber, which takes high rank among the Hindu palaces that now remain in India. I ventured to suggest some remedies which seemed to me to deserve the attention of His Highness the Mahamja of Jaipur, but having to-day re-visited Amber, I beg to make the following supplementary observations in the hopes of his becoming sufficiently interested to pass definite orders.
- 6. In the preliminary report on the Amber Palace, I omitted to mention two very important points in connection with the condition of the structures;
 - Chujjas are broken in several places in the façade facing Amber, and some of the trellis windows are damaged and broken.
 - (2) The Jai Mandir is surrounded by a verandals of iron posts and corragated iron sheets. This seems to me to be an atterly unsuitable feature to append to a marble building of Indian architecture. It is a disfigurement by reason of its hiding the upper part of the building, and is by reason of its material more suited to a temperate climate than to a tropical one. Its removal appears to me the only remedy for doing justice to the pavilion, and for giving the necessary light to the interior, decorated as it is with singularly beautiful mirror decorations.
- 7. I now discover from my inspection of to-day that shortly before the Viencey's visit last year to Jaipur, many of the paleie walls were covered with whitewash, and I regret to observe that the beautiful D.wan-i-Khas did not escape this operation.
- 8. Whitewash is, I submit, a material which is only properly used to cover mud walls or plastered masoury, but to apply it to stone-work of architectural beauty, is to offend every accepted cannon of good taste.
- 9. I cannot too strongly advocate the extensive removal of whitewash from all bond file musoury or marble.
- 10. I also commend to notice the desirability of cleaning the marble roof and domes of the Jai Mandir which have become stained and blackened by weather.
- 11. A pair of marquety doors taken from the zemana rooms are now deposited in the Jaipur Museum, but I would mention that an order of the Maharaja's Council passed last year decided to keep all the carvest and aranmented doors of the Amber Palace is the palace. I therefore recommend that the doors be returned to Amber, and that those, together with those that still remain, be repaired and renovated in order to preserve the tradition of a beautiful art in its original hame. In the printed report alluded to, I took occasion to mention the freezes in the room off the Sukh Mandir. I now regret to state that their deterioration is accelerated by the leakage of rain, which dampens the walls and discolors the paintings. Finally, I cannot too strongly recommend that the repairs of the Amber Palace be thoroughly carried out in the interests of India, and as one of her valional monuments.

Notes on Udaipur, Ahar, Nagda, and Chittor, dated 13th September 1882.

- 1. Not the least of the many charms of Kashmir is to be found in its picturesque buildings, whilst the surroundings of rugged cliff, snew-capped ranges, wooded glens, winding river and rushing torrent, combine in a thousand ways to enhance the beauty and solemuity of the ancient ruins. In Kashmir we have the wildness of the hills and the valleys as a contrast to its massive and early temple architecture. Here and there, it is true, the refinement of the Moguls reveals itself in gardens and fountains, such as those of the Shahlimar, on the city lake at Srinagar; but the prevailing elements of contrast in the valley are the grand and massive monuments of man set around with all the resources and beauties of wild nature. Conditions such as these infuse a rure flavour into the old architecture of Kashmir, and render it almost impossible of repetition elsewhere.
- 2. Although it possesses a wholly different style and far more elaborate sculpture, Udaipur has all such advantages. It has architecture, picturesque and elaborate to an extent which I had not before appreciated. It has beautiful somery, such as unfolds itself out of mountain, slope and field, and the vast areas of artificial water which cover the country are features in landscape gardening on the largest with that I know of. Udaipur was founded by Ram Udai Singh in 1568, and he conserved and carried out the idea of creating an artificial lake, on the margin of which to build a palace. The Arvali mountains, the great feature of Maywar, surround the locality, and by raising a dyke or hund across the beautiful valley, streams were dammed up to form the " Pachola Sagar," The city is situated on an clevated strip of ground parallel to the shore of the lake, and crowning the ridge stands the palace over 100 feet in height. This pile of stone and marble, which has grown by the various additions of successive Ranas, is most picturesque and impor-In the midst of the lake, which it overlooks, stand the two water palaces, the Jagmandir and Jaguawas, and but for their domes and kiesques, the view from the pulses terraces reminds one more of Windermere and Ullewater than of an Eastern country. The artificial takes of Meywar are not only useful works on a large scale, but are most beautiful adjuncts to the mixed scene of wild hill, gentle pastures and wooded slope. They fertifize the surrounding fields, their masonry dykes are often covered with elaborate murble sculptures, and their waters reflect and set off the beautiful Rajput temples and buildings generally found on their shores.
- 3. The temple architecture is that known as the Jaina style, and the porches and sanctuaries are all on one general plan, although the variety and festility in resource displayed in the roofs or sikms, the graceful ornamentation applied to columns, the wonderful intricacy of the patterned collings, and the beautiful decorative friezes of figures which cover the external walls, strike one as full of marvellous variety.
- 4. On the other hand, the scular architecture of the palace, dwellings of the Maywar nobility and city houses, is plainer, but the buildings are planned on all conceivable lines, and their general effect is picturesque to a degree. The style, conceivable lines, and their general effect is picturesque to a degree. The style, canceivable lines, and their general effect is picturesque to a degree. The style, although using the pointed arches and the cusped openings which found favour in the Imperial buildings of Delhi and Agra, retains the individualities of Rajput architecture, i.e., dignity and repose.
- 5: Udaipur presents an imposing appearance when approached along the read from Nimbahera, and on the afternoon of the 30th July I had a first impression of the city in the distance, as I drove into the valley towards the Residency. The

palace of the Maliamna, the temples, houses of the Thakurs, and dwellings and walls of the city combined to form a picturesque outline against the Arvali Hills beyond. Arrived at Udaipur, I became the guest of the Acting Resident, Lieutenant-Colonel Euro Smith, and after he had presented me to His Highness the Maharana, the most admirable and complete arrangements enabled me to see everything of interest in Udaipur itself, at Ahar, at Eklingi and at Nagda in the immediate mighliourhood.

- 6. On the 31st July Colonel Ecan Smith took me to see the Maharana at his palace, and here it was that I had a first view over the lovely "Pachola Sagar." Nothing is visible of this beautiful lake until one gains the crest of the ridge of high ground, previously mentioned as the site of the palace and city. Driving in at a fine old gateway, the principal street, lined with quaint shops, leads one up an incline to the gates and range of lefty buildings, forming the Maharana's palace. Passing these, we alighted at a modern villabuilt by the present Maharana, and here it was that His Highness received us, and that the lake and its island palaces hurst into view to the west. During the interview the Maharana, on becoming acquainted with the object of my visit, expressed himself in favour of preserving the antiquities and architectural monuments of his country, and said he would be willing to receive suggestions on the subject of repairs, and to allow any works undertaken by him to be supervised by an officer appointed by Government. His Highness has not only great appreciation for the beauties of nature, being justiv proud of Udaipur and its beautiful scenery, but has great taste in matters of art, and has already done much to improve and renovate the old palace buildings both at Udaipur and at his ancestral stronghold on the Chittore Hill. Unlike the Mahrahts and Moslem rulers of other States, who came as conquerors into posassision of all classes of ancient remains, he looks with pride on the historical monuments of Meywar which perpetuate the traditions of deeds extending through a dynasty of over 1,000 years dumtion. Early on the morning of the 1st August I was permitted to visit the palace buildings, and was conducted by the "Kavi Raja" Shamul Dass, one of His Highness's Members of Council and Court historian or bard. In the afternoon I visited the island palaces of "Jagmandir" and "Jagnawas." On the morning of the 2nd August I visited the chattries or cenotaphs of the Maharanas of Udaipur at Ahar, with Mr. Wingate, e.s., Settlement Officer in Meywar, who was good enough to show me the place. In the afternoon I went to see the city temples and re-visited the island pulaces.
- 7. On the 3rd August, Shamul Dass showed me for a second time over the palace buildings, my notes on which I desired to verify and correct. On the 4th August, His Highness most kindly made a collection at his palace of his arms, shields, lances, swords, daggers, ivories, enamels, &c., and permitted me to select some for photography. On the 5th August, Colonal Euan Smith, Mr. Wingate and I rode out some 12 miles to Eklingt and Nagdz, where I had an opportunity of seeing the fine Hindu and Jain temples of those ancient localities. On the 7th, I left Udaipur for Chittore, and inspected the numerous buildings in the fortress on the 5th and 9th August. The following are the points I noticed in the various buildings visited, and what I think should be done to ameliorate their condition and secure their preservation.
 - 8. Palace at Udaipur .- This pile of buildings has been described as standing on an elevated piece of ground above the city, * See photograph. and with a fine yiew to the west over the artificial † See photograph. ‡ See photograph. waters of the " Pachola Sagar," The first gatewayt leading from the city was built by Partab

Singh in A.D. 1591; beyond this is a handsome triple doorway 1 or Tupolia

built by Sangram Singh in A D. 1711, and to the left or west of the intercenting courtyard are a set of 5 "Torns" (or sculptured archways supported by misonry shalts) mental and used by various Maharanas for the distribution of large-me by the weighing of their persons against gold and silver own.

- 9. Passing under the "Tirpolia" one comes in view of the picturesque western facula of the palace range, The Bari Mahal or * See photograph. Great Court is nearest on the right or east. It was completed about A.D. 1597 by Amara Singh II, and has a handsome superstructure of marble fancifully wrought into carbelled windows and trellus screens This superstructure or upper storey rests on a handsome string course of marble carried with bas-reliefs of elephants. The wall below this is, however, of white-washed masoury, and would be greatly improved by rleaning to show the natural colour of the Mose. I should here mention that the Maharana has given me puraission to have a plan made of all the various apartments, courts, &c., of the palme, and that these motes are preparatery only until the plans can be referred to and a more comprehensive monograph prepared in reference to them, and to the photographs now in course of being taken. I therefore will here content myself with briefly mentioning these parts of the palace to which Shamul Dass conducted me, and in the order of our progress.
- and full of variety, and is confronted by a long termee and colourade, under which are kept the Rame's deplants. Passing up a flight of steps at the south and of the palace, we entered through a doorway and made our way to the "Klash Mahal,"; built in A.D. 1844 by Surut Singh,

The photograph.

The photograph is now used for audiences and Conneil meetings, and consisting of a small courtyard with a colonimic at one end supporting that possible cusped form of arch adopted by the Rajputs of Meyerar. We next came to the "Karn Belas," S built before A.D. 1810, a courtyard surrounded by a coloniade of pillars and a flattened edition of the enepod arch noted above. On the roof of the

and a flattened edition of the coaped arch noted above. On the roof of the colonnade is a curious metal astronomical instrument, and from this spot one obtains a good view to the east, over the lake, and to the west, of the riar facado of the "Bari Mahal," the lower port of which here visible was commenced by Amera Single I in A.D. 1507. Below the Karn Belas are a set of spartments, with elegant windows averlocking the lake, but the rooms are too small for modern illust of comfort, and now occupied by lumber.

- 11. The upper storey of the "Bari Mahal" is an open garden surrounded by marble trellis, kinsques and pavilious, with some see photographs hands one doors inlaid with ivery. In the center of the court is a tank encased with large slabs of marble.
- 12. The Bari Mahal, also called the Amar Belas, was completed by Amam Singh II in A.D. 1711. There are numerous care—
 Singh II in A.D. 1711. There are numerous care—
 of weeden doors worthy of illustration, and since curious slabs of marble, measuring 3 feet square, cut with water channels in geometric devices. Handsome parilions crown the upper terrare of this pulser building, and their domes are decorated inside and out with ornamental carvings.
 - 13. Adjoining this is the "Dilkushal," built by Kurn Singh, and departed with mirror work of painted and gilt back with mirror work of painted and gilt back grounds. An adjacent pavilion, built A.B. 1711,

is covered with blue and gold porcelain tiles of Chinese make. Mixed up with these are some quaint Datch porcelain tiles.

14. The Chini-ki-Chittes Soli, built in A.D. 1716 by Sangram Singh II, consists of a court and pavilion with finely inlaid mirror work, with flowers, &c., on a ground of plaster. One small room is entirely covered with the Datch tiles naticed above, the subjects being shating scenes, windmills, boats, biblical scenes, &c. The walls of another small room are faced with dark blue and gold tiles of Chinese porcelain. The Moti Mahal, built in A.D. 1828, is decorated with mirrors and coloured pictures. Below this is the Chati Chiltes Soli, a court with walls inlaid with brilliant mirror messics of pencocks. Off this is a small pavilion with a medallion of the Rajpat sun, and below a dado of curious russed and coloured plaster. A pair of small decorated to the Pitan Nucces, or Palace of Delight, decorated with glass and percelain. A resplendent mirror throne projects over the court of the Moti Mahal. The Monat Chand, pushe

of which have a series of glazed niches filled with all kinds of English China figures and vases of Bohemian glass. The Raine Unyon, dating from A.D. 1571, is a

See photographs handsome old court and pavilion with some solid Hindu columns. The sails of the courtyard are pierced with stone screens, and the whole is whitewashed, which is a pity.

In the centre of the floor of the pavilion is a square of coloured marble mosaic which points to a possible origin of the Agra work. From this one mounts up to the Chandle

(or mean) Mahal, from which a good view is obtained of the lake. Chobs and processional palms are stored in this building, which has some well designed ivery doors.

15. The foregoing compose the principal portions of the first range of palace buildings; next to it is a lefty but plain structure accommodating the zenana; and beyond this to the south is the "Kamar Pudar-ki-Mahal"—a picturesque (wo storeyed creetion of Karn Singh's time, A.D. 1616. This is an facturately much sport in appearance by whitewark. Beyond this again to the south is the modern villa of the Maharanas, below which and to the east is a pretty garden and modern pavilines in the Rajput style. Descending the ridge towards the lake we now came to a range of palace buildings on its margin.

16. The dkhara Makal, or Court for Athletes, has at its northern end a raised terraces with square slabs of marble cut with water channels in intricate ge metric devices. In the wall at the back of this terrace is a window surrounded with porcelain plates, and the walls of a small apartment off the terrace are faced entirely with porcelain plates of the old willow pattern, the effect of which is very good. Near to this is the Himlet Belas built by Bhim Singh in Colonel Tod's time, with some English pictures on its walls; beyond to the north is the Julianeau or Fountain Palace, built by Jawan Singh in 1828, with steps down to the lake, and some fine mirror mosaics on its walls at the back which are worth renorating and precenting from pecting away. This completed my tour of the Udaipur Palace, and I am greatly indebted to Shamul Dass for the trouble he took to show me round and give information.

17. Jagnawas Palace.—This island palace was commenced by Jagat
Singh about A.D. 1023, and is a collection of
small apartments, courts and gardens, which afford
the Maharana a pleasant retreat at certain seasons of the year. Viewed from
the shores of the lake and on approaching it by water, its pinmacles and

domes make an effective and varied outline. On landing I found that numbers of workmen were renovating portions of the buildings. The Suffine Reles, now nearly complete, has been almost entirely rebuilt, and some mirror decorations in pavilions flanking a tunk for bathing are in excellent Native taste. The Sundan Palace is a modern classical villa built by His Highness's predecessor, and not in the best harmony with the oriental surroundings. The Naher-ki-Mahal, or Water. Garden, has deep channels of masoury surrounding flower beds and palms, ami some pavilious of great beauty decorated with messies of glass which it is to be hoped the Maharana will preserve. Some old shish arabsoques of the same character, but of great olegance and refined taste, cover the walls of the garden of the Khuib Mahai. Unfortunately the damp bus canvel them to become loosessed from the wall, and great skill and care will be needful to repair them. The Bari Mahal is a largish open court with a handsome pavilion to the south, and some coloured frescors of elephants adorn the lower portions of the walls of the courtward; The Dil Aras is a small garden with an open colourade facing the lake towards the Udaipur Palace. Here, again, mirror decorations are used to ornament the walls, and well deserve to be kept is repair.

18. The Jagmandir Palace. Jaggat Singh commenced this about A.D. 1623, and built the domed pavilion or Gul Mahal See photographs. which was occupied by the fugitive Prince Kurram, afterwards the Emperor Shahjahan. The rest of the gardens, pavilions and courts were built by Sangram Singh. The Gall Makal is the principal building on the island, and in fair order, extensive repairs having been executed. terrace confronting it has, however, sunk and given way in parts, and being of marble slabs is worth while to relay and rates an concrete above the flood level of the lake. The interior of this building is decorated with some bold meaning in jasper, agate and onyx, and I cannot but think that Shahjahan got the idea of adorning the Taj with such work from his residence on the Jagmandir island. Be this as it may, the Udaipur mesaic is hold and on a larger scale of pattern than the elegant foliated panels of Pietra Durn that cover the Paj, whilst the tomb of Shahjalam's father at Shahdars, Lahore, built shortly after Shahjahan's flight to Udaipar, has mussics more like those of the Gull Mahal in the scale of pattern. The repairs to the Gull Mahal have so far been efficients in keeping out min and preserving the building, but the heavy pointing in plaster introduces an objectionable network of white lines into the exterior of the walls and domes. In both island palaces it struck me that the palms, shrubs and trees had been allowed to outgrow themselves, and by so doing obscure the buildings.

19. Udaipur City.—On leaving the Udaipur Residency the city is entered
by a double gateway of bold and effective design;
See photograph—the domestic architecture which one sees in great
variety on the way to the palace is full of interest and suggestion, and would
anywhere else be remarkable, but the palace buildings and those on the island
of the lake put all else in the shade. There are, however, several remarkable
temples, the principal one having been built by
See photograph—Jacout Singh II in A.D. 1734. Although as

modern in date, it preserves all the main characteristics of the ascient Jain temples of Meywar. It preserves a fine perch and lefty sanctuary covered with hold figure of Meywar are interesting a large brazen image of Garada, whilst flanking this to the north and south are ing a large brazen image of Garada, whilst flanking this to the north and south are small and well conceived temples dedicated to Garach and Mahadeo. Whiteversk, small and well conceived temples dedicated to Garach and Mahadeo. Whiteversk which seems superandays to be so much in fashion, mars many of the scalphored carichments of the buildings, and I count to strongly advocate its complete removal.

20. Ahar.—The small hamlet of Ahar, two miles to the east of Udaipur, is the interesting uncient site of the city of Ahnr. Soc photographs. Pragments of carved stone are found in the village walls and buildings, notably in some Jain temples. Near the read is a small and highly sculptured temple said to have been erested ander the anspices of Mira Hais. It stands isolated in an enclosure and is much ruined, the evulptures having been mutilated and covered up with plaster by Alamgir. Some little distance beyond the village are the chuttris or constaples of the Mahammas of Udaipar and other notables of Maywar. The Chatter of Jame Singh II is a fine large structure. but constation is doing domage to the vonf, dome and terrace. A See:photograph. large free has grown up close to a corner of the latter, and unless removed will money or later with ears the majorry. Sangram Singl's chatter is also a fine building, but was never finished. Figetation counters to be removed. This is one of the largest of the cen-See photograph.

See plantagraph. tures. Amer South Pe chuttri is covered with vegetation. Near this is a small constant of the son of Udai South I, but its sculptures have been mutilated. The whole enclosure See photograph. or graveyard in greatly overgrown with regulation

otapha and has some handsome friezes of sculp-

and trees, and wight entity be faid not and not in order.

- 21. Nagda and Eklingii.-Nagda, 12 miles meth of Udaipur, is said to have been founded by Bappa early in the 8th century, and close to it is the temple village of Eklingji, also connected with the early life of this first of the Maywar Runs. The antiquities of the locality are therefore at least historically important. From the accompanying diagram the position of the temples at Nagda and Pkling it will be understood. The lake which separates the two villages is one of the many artificial waters which beautify the Udaipur valley and is surrounded with wooded hills. The most interesting ancient structures at Nagda are two temples called the " Sas Bahu." Their position is shown at A and B. Both are in the first rank as specimens of Jama architecture, and are exceedingly ornate and comparatively perfect. There are no inscriptions to give any account of these remarkable monuments, but I imagine that they are both anterior to the 11th century, and that B is earlier than A. Rosent damage has been done to both by exipping of faces, 3n., of figures, and should, I submit, be rendered impossible by enclosing the locality and by enclody,
- 22. The rough plans explain their arrangement. In A the roof of the purch and tower of the sanctuary should be cleared of vege-See photograph. tation. The mullioned windows f and g with their carved geometric tracery and figure carvings are exceedingly fine. The porch a bed is even more elaborate and finely sculptured and in unquestionable taste. The interior of the porch has four handsome columns supporting an elaborate fome ; the ceilings throughout are of great diversity of design and curiously honeycombed. The temple appears to have been at one time dedicated to Vishna, there being near the sanctuary a recumbent figure of that god on a snake in black murille - (Vichnu and Lakshmi on Ananta.) The exterior cornings would be greatly improved by being cleaned, but the interiors of the perch and canctuary are blackered by muche, diet and buts, the dung of which caters the floor, and should be thoroughly elemined,

In B the roofs also require weeding of creepers. The purch hklmno is handsome and its currings are worth cleaning. The Sos plintographs. range of four columns at C have the appearance at a distance of being Grecian, but on examination it is seen that they are fashioned on the orthodox Hindu plan of varying the sections of the shaft from the square and polygon to the circle. A ruined temple at C in the sketch diagram is surrounded by water

and the lotus plant.

23. Near this are two Jaina temples D and F, the former built in A.D. 1143
by the Khumbo Rama. Neither call for any special remark. Beyond these at G
is a temple and perch which has an ancient look. Close to the canceway at the
morth end of the lake are two small temples H and
See photographs.

K. The smaller one H is apparently the older, and

See photographs

K. The smaller one H is apparently the older, and is handsomely scalptured. A figure of Vision is in the sanctuary above the causeway; to the east are several temples L M NO; that at L being a large Jain one.

They all wont clearing of dirt and jungle.

24. The groups of temples at Eklingji are held very sacred. Two of them at P and Q are solidly built of unseary and covered with curvings. P is partially damaged by whitewash. Q is said to have been built by Mira Bais.

25. Chittore — Chittore is over 60 miles north-cast of Udaipur. The Malwa branch of the Rajputana-Malwa Railway passes a little over a mile from the present town, above which the ancient fortress towers as a bill mass 500 feet above the plain, and over 5 miles long by half a mile wide. The ascent, which begins from the town, is a mile to the upper gate, with a slope of about 1 in 15. The building-berg nated on are in the order pointed out to me by the kiladat, who was my guide.

26. The Sengar Chaori is a very elaborate building. Although the dame is now plain and unormamented outside, the interior is finished in one of the most beautiful styles of Jain architecture; in the centre is a canopied masonry dais or "chalastra" on which the enthronouncit of each of the Ranas is said to have taken place. The bosocilet of the exterior walls are exceedingly hold and effective, and the building is, both from historical and prehitectural points of view, well worth preserving. The source regardle which have been built up to both sides of the harding ent it is half. Their removal would be a great improvement. The carrings asside and out require electricity, and all expectation should be removed from the roof and walls.

- 27. The great palace of the Rams, or Bara Maded, is a plain building, but in excellent raste, and in course of being renovated for the use of the present Maharana.
- 28. A group of elaborately carred Jain temples known as the satis (27)

 Beenfold-Mandie should be preserved. Some of

 the meads and acceptes which cover the nactioner and matte should be entruded,

 Near to this are two other June temples with very hundrone exterior carrings.

 Fogetation should be here thereughly cleared away

 and the maintainer cleaned.
- 29. Next comes the sescalled Mire Hole Temple with its curious interpretation of second and service of second and service of the work of the harding are much demand by leave which it would be as well to destroy. There is a good deal of injurious regulation elementers in the haiding.
- 30. The Tweer of Fadore built by the Khumbo Rana, one of the most powerful Ranas of Meywar, is the striking monument of Chittorgards. It was created about the middle of the 15th century during a revival of Jain architecture. The nine the middle of the 15th century during a revival of Jain architecture. The nine storcys composing this exceedingly interesting tower are covered inside and our with sculptures of great beauty. The arrangement of the staircase as it proceeds the various storcys is especially cursons. The dome that now surmounts through the various storcys is especially cursons. The dome that now surmounts the ninth storcy was a substitution in IS32 for the old roof which was distroyed by

lightning. Being in the Mogul style, and not of the best type, its removal would, I think, be a great improvement, and it would be even better to substitute a flat amobitrusive covering in its place rather than attempt any imaginative restoration-

A number of chhujjan, cornices, pillure of projecting windows, puropets, &c., re-

quire renewal, and the ubiquitons weeds should be destroyed.

31. Near the tower and in a south-west direction is a large stone temple known as the Mokal-ji-ka-Mandir, dating from the 15th century. It is choked up on all sides with ecyclation, and its roof has been incaded and nearly destroyed by pipal mosts which should be remneed. Some loose stone malling abuilting on the temple should be taken down and the whate structure set free. What is now unobscurred of the sculptures of the exterior shows some very fine and interesting friezes of figure subjects depicting real scenes in history. The curnings require cleaning. The interior of the purch and tempte should be thoroughly eleaned out, and some of the maxing in lintels, &c., requires strengthening. The floor of the sanctuary is below the ground level, like that at Ambernath in Bombay. North and east of this fine old building are two interesting doorways that to the east is on the street of the Sindhi Bazar, and the houses which earroach on it eight and left wight with great advantage be removed. My guide called both of these gateways "Ahar-ki-Darwaza." Close to this spot is the picture-one and historical foun-New photographs.

tain and tank known as the gar-ants, and above is the Makasati, where some of the early Ramas were cremated.

- 32. The foregoing are buildings that my guide Jive Ras, the kiladar, showed me the first day of my visit.
- 33. On the second day I began by examining the Ram Pol gateway, from whence Akbar is said to have carried off the wooden doors to the Agra Fort. 1 took an opportunity on my return vid Agra to look at these gates, and there can be no doubt that if they are the original ones from Chittore, Akbar had them covered with the present plates of copper ornament which is thoroughly Muhammadan and in the same style as the ornamentation in the Agra palace buildings. The Raw Pol galeway is a handsome mosonry structure with bold friezes along the plinth. Fegetation should be See photograph. removed.
- 34. The old Jain Timer (A.D. 896) of Sri Allat is in considerable disrepair and will require very careful treatment. A tree is doing See photograph: great damage in the apperment storcy, and there is much vegetation in the malls. One of the four projecting windows in the top storey has fallen usury, and the niche with an exect Jain figure to the east will soon fall unless attended to. The carrings near the base want cleaning. The temple near the Jain Tower has some handsome carvings inside See pleasuruph. and out which are very neglected and dirty unit

decerve cleaning.

- 35. The ancient temple to Mahadeo, Nilkant by name, is said to have been built by Bappa in the 8th century. It is See photographs. kept in some repairs, and has a resident priest.
- 36. Close to this is the Suraj Pol or Gate of the Sun, a plain structure, and the mastern entrance to the fortress. A little further on the road, the temple of Samuldhenhuar Mahadeo is passed; its sikm or tower is partly fallen, the enclosure covered with fragments of ampture, and the porch or mandap has lost its dome. The sanetuary has that peculiar sunken chamber which I first observed in the temple of Ambernath in Bombay, and the plan of the temple is on the lines of an petagamal star. Fegetation and brevaure doing damage; sculptures require cleanning.
- 37. Next comes an ancient looking building with two small domes, laid in the Hindu fushion of horizontal courses, called the " Chattrang-mori-ka-Gumta."

38. The Pudmini-ka-Mahal and its island palace are being repaired by the
Maharana Sujjan Singh. The principal gateway is
a handsome piece of architecture. The niches and

maximity basement facing the tank have unfortunately been whitewarked.

39. The Maha Kali Temple has all the appearance of being ancient. Its
sikra and dames covering the porches have been
renewed in plaster. The exterior carvings are
most interesting and curious. They require cleaning. The porch has a fine ceiling.

40. The Patta Sing and Jainal Palaces are picturesque buildings with dark blue tiles showing in portions of the exterior. A short distance further on the Tower of Victory comes into view again, and the circuit of the fortess is complete.

41. The remedies here recommended are not very elaborate or difficult of execution. The structural repairs will require skill no doubt, but a very considerable improvement will be evident by simply clearing vegetation and cleaning up the buildings and their surroundings.

Note on works in progress, dated 19th September 1882.

The Dilwarra Temples are under two panchayats or committees, one at Sirohi, the other at Ahmadabad. The former can sanction annual repairs up to Rs. 1,000 and original or new works up to Rs. 15,000. The recent repairs are, however, clumsy and certainly inexpensive. I have authority to survey the various buildings.

2. At Ajmir a survey has been made of the Arhai-din-ka-Jhopra, of the Daolat Bagh, of the Khoja Syad's Tomb and surrounding buildings. There is any but one dome that is unrepaired in the Arhai-din-ka Jhopra. The enclosing quadrangle requires repair in places, and the curved fargments in the mosque proper should.

be cleaned.

3. An estimate for clearing one of the marble pavilions in the Daolat Bagh has been sanctioned, and the work has commenced under Mr. Brassington, Executive Engineer, Mayo College. The adjoining marble pavilion, now used as a station library, will also be cleared and repaired, and a grant of Rs. 2,000 has been contributed from Imperial funds. The hammam, occupied as the Commissioner's office, should be repaired as soon as possible.

1. The survey of the Khaja Syad's Tomb will show what remedies are essen-

tial to the preservation of the numerous buildings.

5. A restored drawing of the Taragarh gateway has just been completed, and I understand from Lieutenant-Colonel Steel, R.E., Secretary to the Agent to the Governor General, Rajputana, Public Works Department, that the funds for its reconstruction will be provided.

 In regard to Ambar, near Jaipur, I have recorded my view in a memorandum of 18th August 1882, see page claxiv, and I hope that His Highness the Maha-

raja will take the matter into his serious consideration

7. I um not aware of anything having been do se yet at Ulwar, not having been there since April 1881, but hope that the recommendation in regard to Fatch

Jung's Tomb will at least be carried out.

8. My report on Udaipur and Chittore recommends a number of simple remedies which might easily be undertaken without delay, but for all structural repairs I recommend that an officer be appointed to draw out the specification of work, and to supervise it whilst in progress; but he should, in my opinion, have no responsibilities as to rates or the disbursement of money. Mr. Brassington, Executive Engineer of the Mayo College, Ajmir, could supervise the work at Chittore, and the engagement of his services would be the most convenient and inexpensive arrangement that I can think of. Chittors is 12 miles journey from Ajmir, where Mr. Brassington already has an office and establishment.

T

Report on Monuments in the Punjab, together with a Note on works undertaken.

Note on Umritsar, dated 1st January 1881.

- The Darbar Sabib or Golden Temple.—The temple or Har Mandar as it was at first called was built by Guru Arjan, the successor of Ram Das; it occupied the site of the present building in the centre of the sacred tank, but was destroyed in 1761 after the battle of Ghulu Ghara near Ludhiana, and was rebuilt in 1762.
- 2. Maharaja Ranjit Singh, after seazing Umritsar in 1803, spent considerable sums of maney on it, and from this time the temple has nequired the name of Darhar Sahib. The building is a remarkable specimen of modern Indian architecture. Its features and details are partly Hindu and partly Muhammadan in larigin; but, as Mr. James Fergusson observes, neither its outline nor its distails can be commended. The general effect produced by its murbles, walls of messue, and domes and upper storey overlaint with gold is, however, very rich and splendid, and its situation in the midst of the beautiful lake, surrounded on all four sides by pleturesque pavilions or "bungas" as they are called, shows off the building to full advantage.
- 3. Untritser is the Holy City of the Sikhs, and the Golden Temple and its surroundings are held in the highest reverence. A Committee of Sikhs presides over
 the welfare of the buildings, and repairs are now being sedulously executed, both
 inside and autoide the temple. The painted and gilt interior decorations are being
 renewed, where faded or damaged, in a masterly way. This shows that native
 arrests, left to themselves, are as thoroughly capable of conducting the splendid
 ornamentation brought into India by the Moslems as they were in the days of
 Akbar and Shahjehan,
- 4. As regards the preservation of the temple and the outlying Sikh buildings, I would recommend a greater attention to cleanliness. In spite of the sanctity which compels every visitor—Native or European—to remove his shoes, there are corners in the enclosure where the stanches are sickening. I also noticed the greater part of the inlaid and carved woodwork in the Darshami Darwaza, in the carved doors in the temple, and in the Baha Atal to be suffering from dirt and neglect. A little scap and water and occasional oding would go far to preserve this woodwork, which is very beautiful of its kind.
- 5. The Baha Atal is a lefty tower built over the tomb of Baba Atal in A.D. 1628, and is one of the buildings held in reverence round the Golden Temple. Beyond its size and pleasing proportions, there is nothing very remarkable in the exterior; but the interior decorations of gold and colored ambesques are effective and handsome. These latter are also being renewed by the Sikh Committee.
- 6. In accordance with the wishes of Sir Robert Egerton, the Lieutenant-Governor of the Punjab, expressed to me at Labore in November last, I have caused drawings to be put in hand of the Golden Temple and the neighbouring tower of Baba Atal.
- 7. Besides general plans, sections and elevations, details are being made of doneways—inlaid work in marble and wood—of wooden carvings, and of the gift and painted interior embellishments.

- 8. These when complete will furnish some interesting material for the study of modern Indian decorative art.
- 9. Rass Bagh,—To the north of the city is the Ram Bagh, which was enclosed as a garden by Ranjit Singh about 1820, and in which he erected buildings for the accommodation of himself and his court whenever he stayed at Umritsur. These buildings were, until quite recently, used for the district courts and treasury, but another more convenient site has been found on which the kutcherry is newly built, and the Ram Bagh is well cared for as a garden and the buildings kept up as objects of interest only.

Extract from a letter from Carrary H. H. Cone, R.E., Counter of Ancient Monuments in India, to the Secretary to the Government of the Panjab, Public Works Department, dated Sinis, 83rd August 1881.

I have the honour to enclose a copy of my report of the 10th May 1881 (see page XIX) containing certain recommendations for preserving national buildings of interest at Labore and Delhi, and to solicit that I may be informed whether His Honour the Lieutenant-Governor wishes to undertake any of the works specified before the close of the current funncial year.

The plans to show the present condition of the buildings, and what may, with advantage, be done, are in course of being faired out in my office, and it will be necessary to appoint an officer to frame the estimates.

Extract from a letter from Carrats H. H. Conz, R.E., Carator of Ancient Manaments in India, to the Secretary to the Government of the Panjab, Pablic Works Department, dated Simin, 1884 August 1881.

I have the honour to report that I have consulted with Major-General Conningham, Director General of the Archeological Survey, as to the best way of dealing with the Buddhist ruins in the Peshawar Division; and beg to submit the following recommendations, in which General Cunningham fully consurs.

- 2. It is well known how interesting and valuable are these remains, both from an archaeological and artistic point of view. On the one hand, General Cunningham is anxious to continue an examination of the Peshawar Valley, which has already yielded so much valuable historical and archieological information and matter; and on the other hand, I would urge the importance of preserving to posterity what remains of the art and architecture of the Gandhara Monasteries.
- 3. Aiready many valuable and beautiful sculptures have been exhumed from the Takht-i-Bahi, Shahbaz Garhi, Sahri Bahlol, Jamal Garhi, and elsewhere, and those that are now exhibited at the Calentta and Lahore Museums are of the highest interest and value.
- 4. A good deal more may be discovered and be applied in the duridation of Indian archaeology and art. Many of the places already examined may be expected to yield further discoveries; and the village of Nogram or Ranigat is a very promising site.
- 5. How far the remains that may be brought to light can be preserved in situ is I think, to let only determined by consulting with the local authorities, and by taking each case on its own merits.

- 6. In some places the fanaticism of the Muhammadans is a source of danger to the figure scalptures, which they mutilate the instant they are dug out of the saidy mounds and earthed up rained buildings. In such cases I think the only way to preserve after excavation is to remove the scalptures to a place where they can be guarded.
 - 7. In other cases it may be possible to arrange for enstedy.
- S. Very few of the remains appear above ground, and the first step is to secure the services of a company of Sappers and Miners under the command of an officer with a taste and appreciation for archaeology. The next step is to examine carefully the most promising localities and to excavate.
- 9. I would recommend the examination of the Takht-i-Bahi, Shahbaz Garhi, Jamal Garhi, Shah Deri, and Takal Bala (near Peshawar), and that the sculptures which may be laid bare and rescued from sand and earth, be collected at Naoshera and from thence distributed to the various Indian Museums and Schools of Art.
- 10. At the same time I am strongly of the opinion that any buildings or ancient remains should, if possible, be preserved in situ.
- 11. If these recommendations meet with the favourable consideration of His Henour the Lieutenant-Governor, I hope that the services of a company of Suppers and Miners may be secured for a short time this ensuing cold season to carry out excavations and examination of remains in accordance with what General Canalogham and I, in consultation with the local authorities, may recommend.

Ethract from a letter from Captain H. H. Conz. B.E., Curster of Ancient Monuments in India, to the Secretary to the Government of the Panjab, Public Works Department, duted Simila, 28th September 1881.

In reply to your letter No. 139 of the 19th instant, I have the honour to recommend that repairs to the following buildings be commenced:---

Jahangir's Tomb at Labore.

Shahlimar Gardens at Labore.

The Kutub buildings and grounds, Delhi.

The ground Humayon's Tomb, Delhi.

2. The plans for these will be submitted in a few days. In the meanwhile I beg to strongly recommend that an application be made to the Licutemant-Governor of the North-Western Provinces for permission to ask Mr. Heath to vivit the buildings mentioned and to draw up the estimates.

Extract from a letter from Carrain H. H. Chin, R.R., Curater of Ancient Monuments in Italia, to the Impactor General of Military Works, dated Simia, 2nd October 1881.

Referring to the letter No. 294B., dated the 8th instant, addressed to you by the Government of India, Public Works Department (a copy of which was forwarded to me for information), I have been been to solicit your consideration of

* Copy enclosed the various recommendations, referring to buildings in the Labore and Delhi Forts, contained in my report * dated 10th May 1880 (see page xix).

2. I respectfully beg to recommend that the works be put in hand as soon as possible. The plans and drawings alluded to in the report will in a few days be roudy to be submitted to you. In the meanwhile I would suggest your applying to the Government of India for a grant of Rs 10,000 for the Delhi Fort buildings, and of Rs 5,000 for the Lahore Fort buildings.

- 3. Mr. Heath, Executive Rugimers of the Archaelogical Division, North-Western Provinces, will probably be employed at Labore and Delhi by the Punjah Government in the repair of buildings; and I strongly resonanced that advantage be taken of his experience to execute the works in the Forts at those places.
- 4. I have suggested to the Ponjah Government the propriety of procuring Mr. Heath's services, and recommended his deputation to Simla for the purpose of framing estimates from the plans in my office.

Extract from a latter from Carrain H. H. Cons, R.E., Carater of Ancient Memorants in India, to the Impactor General of Military Works, dailed 1st V-bruary 1882.

Referring to my letter No. 448 of 3rd October 1881, I have the honour to sage gest the following preliminary measures :-

2. Labore Fort. Divan-i-am. The provision of other burrack accommodation may take some time to arrange, but I strongly recommend that the painted apartments in year of the throne be evacuated and all colour or whitewnshing prohibited.

Khwab-gah, .- To be cleared of its church fittings.

Jahangir's buildings. - Used as a Roman Catholic chapel and staff quarters; in be evacuated, and the sculptured columns freed of the whitewash and enclosing walls.

Belli Fort-Divan-i-rm;-I recommend the removal of the emitteen. drawing showing the origini mosaic behind the throns is in hand, and will be submitted.

3. Discan-i-khas. -The roof to be strongthened from the top by the insertion of iron joists. The present painted wood ceiling to be rendered secure, and renewed where the wooden punels and mouldings have been removed. An estimate for repainting the coloured ceiling at the rate of Rs. 1-8 per square foot by Ismail Khan, miniature painter, Chandni Chank, Della, seems to me worthy of consideration; but it would, I think, be prudent to have a sample painted at one corner for approval, which would also serve as a muster for the rest of the work. Only the contra ceiling requires repainting.

Sawan and Bhaden .- These pavilions are used for serving out rations and for a gymnasium, and should, I submit, be cleared and cleaned.

4. The following plans and drawings are forwarded by post; but I hope that they will be returned as soon as done with, as they are required for purposes of illustration :-

(1) Plan of Delhi Fort (buildings of interest coloured red).

(2) Parilion called Sawan in the Dailii Part (Bladon is a similar pavilian).

(3) Paintel celling in the Diwan-i-khas—Delhi Fort.
(4) Plan of Labore Fort (halfdings of interest coloured).
(5) Diwan-i-am in the Labore Fort, as it is.
(6) Diwan-i-am in the Labore Fort, as it was.

(7) Khwab-gah in the Labore Fort.

5. Some notes on the condition of buildings of historical and artistic interest at Lahore and Delhi are enclosed.

Labora Fort.

Diwan-i-am .- The original railing which was in front of the building has all been removed, with the exception of a few aprights. The steps, too, have all disappeared.

Of the building itself, the open pavilion has been enclosed with walls on the west and east and by a varandah on the south, and whitewashed.

There is a cornice running round the building, which has evidently taken the place of the original churga. The present parapet wall, too, is evidently new.

Rooms at back,—Lower floor only passages. Upper floor rooms used for mesls. All the walls whitewashed.

Outer vermidah and mom F. The ceiling has not been interfered with, but the centre flower has been removed in nearly

The plaster ceiling has been taken down in the rooms marked A A, and the vaulted masseury exposed, showing large enecks. Flooring in good order,

A brick parapet wall has been put up between the columns on the north side in place of the original railing. Flooring in fair order,

The ceiling over the inner room (B) is being disintegrated through damp getting to it, as also some of the coving, measuring 21 feet; and another portion 5 feet long. There are two eracks across the room at the back, and a single crack from and to end in the open pavilion.

The marble dado in fair order, except pertions missing measuring 3' × 3' 9"

Resp. C. nud 10' 9" × 9". The criting is destroyed with the exception of a few pieces. The centre ornament completely game, but no cracks perceptible.

The murble dado nearly all gone; only a few slabs remain. The ceiling cracked in several places, and looks unsafe. The murble columns are very dirty in the throne and galleries. The perforated stone railing between the columns has been removed where marked with the letter a in plan.

The small kinsk on the roof has been blocked up on all sides and door let in on one side.

The whole has been whitewashed,

Khwab-gah .- Outside pavement worn and damaged.

The exterior of the building is in good preservation and infact, but a thickness of 6 inches has been added to the pampet wall.

Inside the open archways have been tilled in with wooden door frames. Flooring in tolerably good condition, but a good deal worn, particularly the grey stone.

Recesses—No. 1, plain shabe; No. 2, inlaid with mathematical figures, damaged in places; No. 3, in fair order, but a few stones removed from the paving. The Laptismal feat is placed here. No. 4, same as No. 2. No. 5, only plaster flooring new.

The perforated screen work in these recesses is in good order,

The old roof has been removed.

Small pavilion autoide the Shish Mahal .- The entitle is in good order.

The red andstone paving of the outer platform is sealing off.

The flooring inside is of planter, except at the north end, measuring 14' 3" \times 4' 3". In the centre of this was a cistern 5 \times 4' 3" (now filled up), and the side pertian of murble with a border of inlaid work.

The wall on the west side has a marble dado 3° 9° high, gilded and painted. Above this dade the wall was painted, but now in a damaged condition,

The ceiling has sunk in the middle about 6". A portion at the north end is of sheet copper 15' × 3', the centre portion of which is plain; but the border is a raised flowered pattern.

Shirt Makal,-The flooring of the open courtyard facing the Shirb Mahal is

worn and broken, as also that of the fountain.

There is a low parapet wall of brick masonry round the fountain, which seems to have been lately put up.

Armoury .- Flooring of open verandah at south-east corner broken up.

The long room in use as a store for keeping old Sikh weapons. The doorways have glazed frames.

Naulakka Barj.—The plinth is in good order, except where marked:

The steps are bad, and seem to have been put up recently.

The lower panels are in good order, plain markle. The panels marked A and B are in a ruined condition, only a few stone-work has been removed altogether from the two panels C and D on the opposite side of the doorway. The border between these panels is in fair order, but many stones removed from it. Above the soffit line of the door is all plain plaster work.

(Front).—Only a few stones remain of the inlaid work in the panel marked

E. Panel F taken out besily and plaster substituted. In the panels G and H only a few stones
remain. The panels above and below these are of plain white marble, and
are in fair order.

The stone beam spanning the entrance has cracked in two. There are other cracks, as shown on the drawing; the border between the puncle is in good order.

In the panels corresponding to A, B, C and D only a few stones remain of
the inhald work. The panels above and below are
plain. The border is in order. The chujis and
brackets on the south end are of wood; as also a portion at the north-west corner.

The south-east corner seems to have been recently rebuilt. Flooring of lime mortar; is in fair

order.

All the flowers in the inlaid work of the dado have been removed. About balf of the mosaic harder has been removed, and putty and paint substituted; the remainder is in fair order. The painted work in the panels above this is in fair order. The portion above the doorways is in good preservation.

The ceiling is cracked in several places,

Of the inlaid work on the murble columns, very few stones are left on the bases; but the work on the capitals is in fair preservation.

Two open pavilions on either side of the Naulakka Burj.—Flooring broken up. Beam across opening at north and emoked to three places; a pipul tree has taken root at the back of the wall, as shown on the elevation.

Pavilies on the morth side of the The whole in fair order,

Kantakha Berj.

The inlaid work on the bases of the marble columns has been damaged

Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish Malal. Shish

Moti Marjid,—Flooring in fair order, but a pipal tree has taken root

Open contyard.

At a (marked on ground floor plan), and upheaved the slabs round it. The flooring has also
bulged out in two places marked + +), evidently caused by the roots of the same
tree. The black marble inhald work on the outside walls is damaged in
several places.

On the south dome is a pipal tree (b) on plan shown in elevation, which is causing the slabs to be lifted up from their beds. The same is being done by the mots of a tree (c) which has taken root in the middle dome. There are a few more small trees on the roof, and one of good size at (d).

The inside is in fair order and kept in repair. The open archways outside have been built up and doors and windows let in. The entrance lobby is in a neglected state; the plaster has fallen off and the flooring is in a bad state.

A pipul tree is growing up against the entrance steps.

Shahlimar Gardens near Lahore.

The above at south-west corner.—Inside plastering all gone, as also from top

West wall, of cupola. This wall is in a ruined condition.

The portion immediately adjoining the pavillon leans over, to a distance of 373 on the south and 200 on the north side. The brick-on-edge terrace is in a very bad condition, especially 170 of it to the south. The small wicket (76 first from south-west corner) has been blocked up, the arch having fallen in; a similar wicket has been blocked up on the other side of the pavilion used by natives. The terrace on the north side of this pavilion is in fair order.

The alcove beyond this pavilion is in a very had condition. The chujja work lass fallen away; the plaster on the ceiling is falling off.

The wall beyond this alcove is bent in the shape of an S for a distance of 238 feet.

The terrace along this portion has sunk and is in a very bad condition. The remainder of the wall on this side is vertical, though shaky; the plastering has pecied off.

The terrace beyond this up to the gateway D is in fair condition, but sunk in places.

There is a good deal of vegetation springing up on the wall near the gateway.

The tilework in the spandrils of the large archway on the inside has been gateway D with tilework. Four panels are in fair condition Of the remaining fifteen, the filework has been totally removed from eleven and the other four are in a very bad state. In the soffit, ten patterns are gone, the remainder are in fair order.

The south pinnacle on this gate leans to one side.

The terrace beyond has sunk very low in consequence of water having lodged.

The alcove at the north-west corner is in a ruined state, the chujja work has been rumoved; the old ceiling on the lower rooms was removed and been replaced with one of reeds; the roof rests on rough 'bullies' (saplings).

In fair condition, but the plaster gone 4 feet from the ground; the upper portion is falling. The pavement has sunk and been destroyed all along this wall.

The pavilion on this side has been repaired lately in a rough way. The roof rests on beams and burgals. The old staircases on either side, leading to the terruce on the roof, are in a rainous condition.

There are traces of a staircase in the floor of this pavilion which led to the garden on the north side of the present one. This staircase and passage have been blocked up.

The alcove at the north-east corner is in fair condition.

Portion between north-east corner and gateway E in a bad condition; planter falling. The gateway E is in a ruined state.

Of the filework in the front elevation only 71

panels remain.

The spandrils are destroyed; tilework gone. On the inside the tilework is destroyed to a height of 3 feet on the morth, and 6 feet on the south. Also at the crown portions are gone. A portion of the wall between this gate and the hamman has been repaired. The remaining portion (248 feet) is in a bad condition. The high wall leans over for a distance of 110 feet from its end. The portion adjoining the hamman is vertical, but the plastering has gone.

The dome over the alcove at this point shows a large crack. The chujja work is destroyed.

The columns of the balcony have all split above the springing line, and the whole weight of the balcony now rests on a wall recently built up. The original cantilevers evidently gave way.

The gateway near this alcove is in a dangerous condition. It does not seem to be in use now as a thoroughfare.

The wall beyond to the south-east corner is in a bad condition. The paving too is bad.

South well. Has lost much of its plaster.

The entrance steps broken in parts. Entrance corridor is in fair order; plaster bad. The two outer doors are rough and seem to have been put up recently; flooring of all the rooms is broken up in places; plastering in fair order, but the whole dirty.

Wall running cast and west, between the two alcoves Q and R, in disrepair.

The cornice broken in several places.

The paving along this wall is worn out. The stone facing is all scaling off.

A portion of the railing (15 feet) on the west side of the pavilien, together with the upper wall, have been upheaved on account of the vegetation taking root.

The brick termee on the west side of the contre pavilion has sunk on account of water lodging.

The terrace along the channel has sunk in several places. A portion of the flower be is round the large tree (a) has been upheaved.

The original railing on the upper termes seems to have been removed.

Pavillan 1. In good order, but the marble dado has been removed in many places.

The brick-on-edge terrace along the channel has sunk in several places.

South entrance. In fair order. The marble dailo has been removed in several places. All the pavilions round the large tank, as also the one at the south entrance, have been repaired and whitewashed.

Shahdara near Lahore.

Jahangir's Tomb,—The paving on the platform on which the temb rests is in a very bad condition. The red sandstone facing of the plinth has been removed. A portion of the paving measuring 1' × 38' × 10' on the south has been removed.

There is a good deal of vegetation springing up on the walls and minarets of the temb itself. A small pipal has taken root on the soffit of an arch on the south-eastern corner.

Outer areads of the tomb. Flooring in tolerable order. Broken in places colored septe on ground plan, measuring-

P'	×	20° 13° 6°	×	10"7	in south	verandah.
ľ	×××	6,	×	- 100	in east vo	

The nosing of the plinth is chipped and broken.

Juner remains of the tends opening on Flooring of all in a bad condition, to the remains.

Plaster in fair condition, whitewashed. There is a large crack in the vaulted calling (shown in plan).

The stone bressumers across the door-ways have all cracked in two.

Only two of the old doors remain. But a number of new ones have been recently put in.

I.—Leading from the west side. Flooring in good order. Tilework in fair Compass leading to the central apartorder, but dirty. A portion removed and replaced with plaster, measuring—

1' × 5' × 2

Upper portion of walls coloredwashed a dirty brown,

The ceilings are cracked from end to ond. Arches in the same state.

The entrance door in a dilapidated state.

II .- Leading in from south side.

Flooring-		Removed as sho	iwn in plan	and measuring
1'	×	15'	*	11'
1'	×	25'	×	3"
T'	×	17'	×	47
lilework in fair ord	ler ; dam	aged in places, n	neasuring —	
111	×	3' 6"	×	0**
2.	×	1'	×	10
1	×	2' 6"	×	3"
Y	×	:41	*	I'
Frace-work.		Patched in seve	eral places, r	neasuring—
11	*	4'	×	- 1
T P	ж.	112	×	3'
1	×	8	ж:	9'
40	*	10'	×:	TI,
		10,	140	795

11' III 1

III.-Leading in from eastside. Flooring in good order, except portions measuring-

Tilework in fair order, but damaged in places, measuring-

10	×	1'	×	I.
1	- ×	2'	×	T.
1'	×	I. 6,	×	D.

Damaged in places, i.e., coving, measuring-France. ľ 30" ×

Ceiling, measuring-10" 201 1, 11" 11 1 × × 3" 10' ľ ×

IV .- Leading from north side.

Flooring damaged, measuring-

8.	*	50	*	82
1' 1' 1'	×	6*	*	3' 6"
T'	×	81	EX.	2"
V_{-}	X	D' 6"	V:	9/

Tilework in fair order, except a peace measuring-

1' × 3' × 2'

From in very damaged condition,

Ceiling cracked from and to end.

The centre room (in which stands the surcoplagus) is in good preservation, but the canopy of cloth under the skylight is very dirty and old.

Parapet wall of terrace covering the whole building has been recently built in place of the railing which was removed. The same remark applies to the parapet walls round the four minarets. Three steps broken in one minaret (south-eastern) : flooring of terrace patched in several places.

The celling of the domes over the minarely is all gone.

The base of the wall for a height of about 4 feet is in a mined condition.

Generall. The plaster has fallen off, and saltpetre is enusing the bricks to crumble away. There are the reunius of boulderpaved walks all round.

This wall is completely undermined for a distance of 100 feet from the northwest wall western corner. The alcove is also undermined through the bricks crumbling away. The plastering of the ceiling is falling off; the steps are bridgen.

Undermined to a height of 4' from base, to the centre building 703' from the corner. This building had been converted into a dwelling-house for milway employes. The interior is in fair order, but the outside walls are in a had condition.

The alcove at the north-cast corner is crumbling away. The dome is in

Both sides of the wall crumbling at base, 4' from ground, to a distance of East wall.

310' from north-cast corner. The remainder of the wall, together with the baradari on this sale, have been destroyed by the encroachment of the river Ravi.

South sail. About 550 destroyed from south-eastern corner.

The building is the centre of this wall is in good condition. It was converted into a dwelling; the outside of the wall is crumbling away.

Good condition for 100° from south-west corner. At this point there is a large crack, showing where the wall has sunk;
West wall beyond this the lower portion is crambling.

Four of the enterns (B), (D), (G) and (E) are in fair order, the others in

[N.B.—The garden is only kept up round the tomb. The other bods are let out for cultivation.]

Old Seral, Shahdara.

Completely ruined. A few rooms above are habitable; the lower portion crambling away. The out-offices in the whole south entrance.

South entrance. enclosure are in a ruined state, and falling in several places.

Front face stones are loose and falling. The plaster lining of the larger tenthing (formeriyamasjul) on west archway completely fallen in. Inside had been repaired and made habitable.

North entrance In a dilapidated state; a few rooms made habitable in the upper floor.

Front in fair order, but many panels are falling and others have fallen.

Recome in the lower and upper floors have been required and used for offices.

Tomb of Asaf Khan at Shahdara

The side buildings in this enclosure have been required and made bubitable.

The enclosure walls are in much the same state as those round the garden in
Jahangir's Tomb.

The tomb itself is in a very dilapidated state. The outer shell of slabs has been completely removed, as also the slabs from the flooring; only a few left in the plinth. The tombstone is in a rained and neglected condition.

Some of the tilework still exists in the arched doorways.

Chauburji, Lahore.

Broken up and destroyed. The north-west minaret and corner fallon and destroyed. The plaster from inside has fallen destroyed. The plaster in the side recessor of the cast away. The plaster in the main archways. The portions marked with the letter A show where the tilework has fallen aff. The north-east minaret is in fair order, but the brickwork is expected where marked B.

North elevation The tilework on this side has been dismaged by exposure to the weather, the colored surface of the

tiles having scales off.

Outer surface in fair order, but the inside

west secure.

Shows crucks and books unsafe.

Tilework destroyed as marked in drawing. The wall on this side shows a large crack, and the minaret at the south-west corner seems to be sinking. There was a bush growing out of the wall near the south-east minaret.

Mosque of Wazir Khan, Lahore.

The flooring in the open courtyard is in tolerably good condition, except where marked A A in plan. The perforated brickwork round the eistern is worn. The flooring inside the mosque is in fair order. The plaster inside has fallen away to a height of about two feet, with portions remaining in a few places. The corners below the springing line is nearly all gene. The arches over the entrances have all cracked at the crown. The domes seem to be sound, except at the south-rast corner. At this point there is a large crack, evidently caused through the foundations sinking at the corner. The tilework on the walls outside is in fair order, except parts defaced as shown in drawings. That on the domes of the minamis is nearly all destroyed. The pinnacles which were on those domes have fallen down or been removed. The railing of perforated brickwork on the minametric in an angele condition.

The small temb in the open courtyard is in a neglected state. The tilework on the courtrard walls is in fair order, except about 20 feet of the work on the parapet wall on the north side, which has been defaced, also the tiles from an archway and spandrals on the south wall, removed bodily. The plaster with imitation pointing is in discernit.

Entrance gateway on the cast side. The plaster from the plinth has fallen aff to a height of about 3 feet. The portion above this in fair order, but dirty. The corridors on either side are in a runned condition.

Gate of Galain Book.—South face towards road; plaster of plinth gone. The triework in good order, except where shown as destroyed in the drawings. The plaster of the entrance archway has been recently renewed. The plaster of the entrance archway has been recently renewed. The plaster of the sentre room has fallen away. The fresco work in this gate has been destroyed in places by the plaster falling off, and has been blackened by smoke in others. The arches have all cracked at the crown. The back of the gateway has been blocked up with a brick wall.

The fresco paintings have been destroyed to a height of about 4 feet; above this the work is in fair order, but dirty. The four pinnacles which stood at the corners over the parapet wall have fallen.

West face.—Most of the plaster fallen away, and nearly all the tilework, with the exception of two patches measuring $\theta' \times 1'$ and $\Phi' \times 1'$.

Fast face.—Same as west face. Back or inner face.—The plaster and tilework all gone.

Mosque of Begampur.

The front of this building is in fair condition, but damaged in parts as abown on the elevation. The interior is in a very neglected state. The flooring no

The dado was originally of tilework; the walls above this were painted.

Very little now remains of the tilework; the walls have been whitewashed. All

arrives show crucks at the crown. The plaster of the calling has fallen off.

Delhi Fort

Flooring in good order. The original flooring stones seem to have been replaced by interior ones.

Mesnir work

The following tabular statement shows the present condition:

(N.R.—The latters and figures rate to corresponding marks in detail directings through the number of short later repulsions, with a composition of account.)

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Of the narrow panels two are intact. The remainder have all the stones removed,

Gold leaf work:

In tolerable preservation.

Centre hall. The enting on the south side has sunk below the cornice to a depth of about \$ inches. The original painted work is covered. What now remains was done recently and is incorrect. The ceiling of the enter colonnade is in better condition. The painted work in this is what was originally done. It has been damaged in several places through the leaking of the roof. The spandrel of the centre archives on the south side shows a number of cracks.

Hamman,—Rooms lettered in plan.—All the stones from the flowers wanting, as also from the buds; the leaves and stalks intact.

Walls (above the dado) and ceilings white-

washed in all the rooms.

Beam A. Finering in pretty fair order, except where some of the flags have been removed.

Room B. Same as above. Corridor between B and C in good condition.

Flooring in good preservation. Inlaid work in floor; a few flowers remain intact, others all gone; but the stalks and leaves intact.

Boom D. Same remarks as C. The slabs round the fountain are loose in their beds.

Corridor between D and G. Flooring in fair order; walls whitewashed. The red sandstone flags in the ceiling are scaling off.

Rosen E. Flooring repaired; walls and ceilings whitewashed.

Room P. Flooring in fair order, as also cistern;

Same as P. The eistern in this room is in a ruined condition. All the stones from inlaid work have been removed, only two or three remain.

Ross II. Flooring in fair order. Cistern in much the same condition as the one in the room G.

[N.B.—The three eisterns in the above rooms (F, G and H) are said to have brought from the gardens of the Fort. Those were in use as purely sitting rooms.]

Moti Mariid.—The flooring in the open courtyard is in fair order; but the

Flooring inside the mosque in good order. Some stones from the inhald work removed. A new panel (the top one) of the entrance door has been recently put in, The outer walls round this mosque are said to have been built after the mutiny.

Samman Bury.—Flooring.—North verandals. Portions on either side of the channel in a very had condition. East corner room is sunk in several places. The flooring flags are all worn and scaling away.

Walls and ceilings.—North verandals plaster in disrepair. One of the stone flags in the ceiling (the centre one) is cracked and ansafe.

Room at north-east corner. Ceiling shows a crack along the middle.

Room under dome. Messie work. The stones from all the flowers removed, only leaves and stalks remain intact. Small bay-window on east side. Painting in the ceiling obliterated. The miling between the columns group.

The other rooms in this building in fair order, except the mosaic work of which the flowers have been removed; the stalles, buds, and leaves are nearly, all intact.

Dewns-i-on.—Flooring flags worn and scaling away. There are marks of a stone railing which existed between the outer columns. The steps on the west side are worn and chipped. The flags on the face of the east wall are scaling off, as also the stone pilasters along this wall. A portion of the coving has been broken.

The detailed drawing of the Peacock Throne mosaic work shows where stones are missing.

Nakkar Khana.—This building is in good condition, as it is constantly requirest, except the two recesses on the east face, which are both in a dangerous condition. The joints between the slabs lining the arched roof lave opened and the whole threatens to fall in. The elevation shows where slabs are split and broken.

"Sawan" and "Bhadon,"—Flooring in fair order. The wall and enting whitewashed. All the stones in the mesaic work on this wall have been taken out. A store had been formed on the south side as shown in plan by building up mud walls between the columns. This room was in use as a godown for the Commissariat contractor. A portion of the cornice has been damaged on the east side; also one of the columns (marked on elevation) shows where a round shot struck it.

The pavilion on the opposite side similar to the above, called "Bhadon," is in use as a gymnasium. The flagged flooring has been taken up and plaster flooring substituted. The wall at the back has been whitewashed, as also the coiling. The stones from the massic work have all been removed.

Zinat-ul-Masjid, Delhi.

The flooring of the open courtyand is all worn and overgrown with grass and jungle. The flooring maids the mosque is in good order. The phases has fallen in places. The recesses in the west wall have been opened out, and open brickworks put in for ventilation. A lean-to has been put up on the outside to protect this wall. The domes are overgrown with was and pross trees.

The buildings adjoining the mesque and intended for travellers are in a ruined state.

Kalan Masjid, Delhi.

Flooring broken up and worn, except in centre court. The plaster has fallen from the walls and ceiling. A portion of walling has fallen on the north-east side measuring 10' × 10' × 2'. All the roofs are in a very unsafe condition, and look very much during the rains, through the outside plaster having been destroyed. The dome and vaulted roofs show large cracks. The whole roof is overgrown with vegetation.

Fatchpuri Masjid, Delhi.

Flooring is all worn and broken up, but undergoing repairs. Intermediate supports have been put up (as shown in plan) to support the roof which threatened to come down. The chujia work has been shortened and only a coving remains. The present kicks over the minarcts were put up recently in place of the original ones. There are a number of pipal trees over the dome, which is now plactored and whitewashed. It is said to have been originally covered with blue tilework.

Purana Kila (Old Fort), near Delhi.

Outer courtyard overgrown with grass and jungle. Floors all broken up.

West wall.-Niches lettered on plan.

A .- In fair order, but very dirty. The esiling shows a crack in the north-west corner.

B .- Damaged in places ; otherwise in fair order, but requires cleaning up.

C.—Centre. The fringe of carried flowers along the arch broken away in parts as shown in drawing; otherwise in fair order.

D.—A good deal of the inlaid work damaged, particularly two patches measuring 1' \times 0' \times 3' and 1' \times 5' \times 3'.

E.—In good order, and seems to be in use for worship. There is a crack here similar to the one in A.

End walls, north and south.—The middle arch in these walls show cracks; otherwise they are all right.

The cross arch between C and D shows a gaping crack as marked in cross-

Front wall.—Archways on the south of the centre opening cracked at crown; the others seem to be sound. The pumpet wall over this wall repaired about 9 years ago. The bases of the pillars at the south end seem to be crushing. The inlaid work in front is a good deal damaged. All the ceilings show large cracks and look unsafe.

Roof.—The gallery along the back portion shows a crack in the vanited tool from end to end. The roof is all overgrown with grass and jungle.

Humayun's Tomb (near Delhi).

Fair order, but the recesses very dirty. The minarcts which existed on the

West exts.

east side have fallen. A portion of the wall
adjoining (on the north side) has fallen down,
as marked (a) in plan. Remainder of the wall up to the north-west corner in tolerable preservation inside, but the back of the wall crumbling away. The bastion
at this corner in ruins.

In pretty fair order. The building A in the centre of this wall is dirty and in disrepair. The building B at the north-east corner is in ruins.

East wall is in a ruined state.

South wall. Fallen, as shown in plan, to within 160 feet of the south gateway; remainder in telerable order. A pertion was removed, as shown dotted in plan. The south gateway has been required and converted into a rest-house for the police officers.

There are the remains of a small mesque as shown at (d). The bastion at the south-west corner is in a ruined state. The wall between this corner and the gateway has fallen as shown at (b) and (c).

Of the original walls and cisterns very little new remains. The gamban, too, is overgrown with vegetation. Only the portion between the west gamban and the tomb is kept up; the other portion is all farmed out for cultivation. There is an old tomb in the south-coast corner as shown in the plan. This tomb as well as the one outside the enchance have some fine specimens of inclosed work in the ceiling, but both are in a very neglected state and falling to ruins. The tomb of Hamayan itself is in fair preservation, but a number of small pipel trees have taken root on the top terrace and dome. The minure's from most of the corner payilions have fallen. A portion of the challing work, about 6 fact, his falled from one of these payilions (north side). The perforated screen work in the windows is damaged in a few places.

The railing on the termes has fallen or been removed in several places,

South side 1 x 80 feet.

East side 1 x 550 "

North side 1 x 40 ...

The walls in the basement show extensive cracks from end to end on all four sides, evidently caused by the outer walls sinking.

Kutub (near Delhi).

The Januali Keenali Tomb.—The paving outside is some and broken up in parts.

The whole of the undessure is overgrown with jungle. The plaster from the satside walls has nearly all fallen, and very little of the tilework semains; pertion of tilework exists ever the south entrance, but is covered with mad. The chujis work looks unsafe and liable to some down; a length of 18° of it has fallen. A small sucting has taken root over the north pumpet wall.

The tilework in the dade is destroyed in parts, measuring about 52' × 3".

The plaster above the dade nearly all gone.

Border round recesses 37 destroyed; that along the top of wall 18 destroyed. The incised work in the ceiling is in good preservation, but dirty. The patterns have been covered by visitors with red ochre for the purpose of obtaining impressions on paper.

Tent of Farmfulla Khan. Flooring all broken up and destroyed.—A in fair order, but dirty; a good portion of the border atons along the archway is missing.

B .- Some remarks as above. Centre recess damaged considerably by boys, who are in the habit of throwing stones at the curved pendants and thewers.

The two recesses (C and D) corresponding to A and B have been removed bodily. The inner shell of stone forming the colling to the four side domes has all fallen in. The colling of the centre dome remains, but there is a gaping stack in the dome itself. The frings of curved work on the large entrance archives is considerably damaged. The minarcts on either side of the main entrance as well as these that existed on the corners have fallen down; also the pampet wall along the front, and the whole is now overgrown with grass and jungle. The stancesses are in a round condition; most of the steps are either loose or largest.

The whole enclosure is in a neglected state, and overgrown with jungle. The walls round the compound are crambling away.

Note on works in progress in the Punjab, dated 19th September 1882.

- 1. The Report of the 10th May 1880 (see page xix) specifies what are the obvious remedies at Labore and Delhi, whilst the Ponjale Report. subsequent correspondence with the Purjab Govsenment and Inspector-General of Military Works, quoted in this Appendix, shows what I recommended.
- 2. Since then repairs have been commenced to Jahangir's tomb at Shahdara, on which about Rs. 5,000 were expended last year. Sindulara. The importance of this monument will be appreciated from the engravings and chromo-lithegraphs circulated with this volume. They have been reproduced from drawings made in my Office, and are part of the experimental publications sinctioned by Government, and referred to in paragraph 74, page 12.
- 3. In July 1881, Sir Robert Egerma sanctioned repairs to the principal grateway of the Sami at Nur Mahal. I inspected Nur Mahali this in February last, and had the place surveyed and photographed. Heliogravures of the galeway are submitted with this. The return are now in progress, but I have not yet inspected them,
- 4. A reference was made to me by Government concerning a proposal to alter and remove some of the old gateways of Delhi, and I inspected them in July 1881, and submitted a report advocating their being left intact. A subsequent decision of Constrained this view, and orders were passed accordingly.
- The recommendations offered by me in August 1881, in reference to monuments in the Peshawar district (see page cixxxv), resulted in some excavations. General Cunningfrom had sole direction of the operations. I visited the localities as well as some others in Ensofzai, and addressed the following memorandum to the Punjab Government :-

Memorandum on Ancient Monuments in the Perhanas District, dated 10th June 1880.

During my visit to Peshawar and the Eusefrai district in February last, I had an opportunits of inspecting the very interesting ruins which General Counterfrom had selected for exploration.

2. Reaching Peshawar as the 6th Pehrnary, I had the advantage of conferring with the Cornery, the Commissioner, and learnt from him that Lieutenant Martin, w.r., had just left

for Chrismalish with a company of suppers.

2. On the 9th February I accompanied Mr. Beskett, the Deputy Commissioner (who is intimately sequential with the Eusefral district), to Holf Martin and meeting Mr. Rebinson, the Arrivant Commissioner, received the greatest assistance during my stay in Eusefral. On the Application Commerce Mr. Robinson and I code out through Shabhangarin to Shewa, the following day sisting Hamigas and riding round the court side of the Earman hill to Baleshall. At Shewa we have been related by Muhammed Umr Khan, and occupied the principal room in his man word being slightly ramed and called off with a quaint worder vailing of groundries. At Eskabali we put up in the rillage grace-through a shell of mud and thatch, but preferences. able to tested in the lesen chinate which prevalls at the time of year.
On the 14th Policiny I waited the Takht-i Bahl, and on the 15th rode to Identenant Martin's

camp at Charsoddah, where I stayed a night.

4. The following are the points which occurred to me at the various places, and which I commend to the notice of the Punjah Government :-

Countingham in Volume V. page 19, Archeological Survey of India. He thus mentions it.

"The great inscription of Asoka is engraved on a large shapeless those of inspired lying about 80 fast up the slope of the hill, with its western face looking downwards the village of Shahhargarki. The greater portion of the inscription is on the eastern face of the rock looking up the fifth but all the latter part which contains the sames of the Greek large is on the western face. The mass of rock is 24 feet long and about 10 feet in height, with a greater thickness of all at 10 feet."

The inscription is not in a good state of processation, as the surface of the rock is rough and exposed to weather. The only way, in my opinion, of preserving the record is by an impression of the whole inscribed surfaces.

The village headness should be made responsible that an wilful damage is done to the Inscription.

Ranigat near Nogram. The rained fortress to the hill of Ranigat is beyond the Befrich frontier in the Kirola Kheyl country. Both Lowenthal, General Cunningham and Dr. Bellew have described it; but no systematic survey or cumination has been made to reveal the condition of the curious buildings. General Causingham gives a rough plan at page 103, and a should of the fort at page 107 of Volume II, Archaeological Survey.

The patches of shrubs and frees which concent the walls should be removed, and the cattling of the buildings carefully taid have, so as to permit of an accurate plan being made before any extensive removal of cartle.

A few surface excavations have been made, and small fragments of broken statues, &c., cover the surface of the ground. Some of these are represented in the accompanying illustration, and give an idea of the general character of the carvings, and their resemblance to Greek sculpture.

The village of Nogram was described at the time of any visit, on second of fights between the sections of the Khuda Khuyle; but I understand that the civil authorities could make arrangements with the tribe for the supply of labour for excavations. It would I think, he recovery to pay the men a small daily stage, and also to give rewards for remains executed and delibered perfect and unmatilated. Cars would be necessary to prevent damage in laying lare the walls of the buildings. On completion of the work and removal of the calculate atonics, as agreement should be made with the tribe to provent wilful damage to the fortress rules,

Kircamer Hill.—The rained manustaries, which seem very numerous along this assessable on the steep scarps of the hill that there seems little stanger of damage being done wilfully by the natives.

I saw the buildings and topes at a distance only, during the ride from Shewa to Balaball.

Balabals. This village is built on ruins, and some interesting discoveries were made lately. An old Sanscrit papyrus back being uncarrhed in a field was sent to General Cumbirgham for examination. Mr. Robinson also obtained an queient pencil and stone lamp. This site would probe ably yield a good deal of interesting matter; but search can only be made voluntarily by the nations for rewards, as the greater part of the ruins are under the village bouses.

The Atta-Babi. This prominent hill, which rises some 300 feet above the Eastern plain, is about eight miles from Mardan, and its rurns have been described by General Conningium in Volume V of the Acabesilegical Survey, and by Dr. Bellew in his Report on Rassifish

The ruins are very extensive and most interesting; the disposition of the monasteries and dwallings can be clearly traced from the upper points of the Takhi- Bahi range; but in near approach it becomes exident that great damage has been done by excurators and earthquakes. The digging has had but our object; manely, the ready renoval of sculptures and statue, which adversal the circulars and topes; added to this, carthquakes have overtarned and rent the massive and befly walle

The only thing to be done at present is, in my opinion, to probibit irregular and unauthorized encavations, and to have the place watched by the headmen of the neighbouring village.

Chargeddah. Clime to the junction of the Swat with the Kabul river, and between the branches of the former stream, is a large fort called locally the Baia Himar. General Commissional Floutifies the locality as the position of Poskalavati mentioned in the 7th contary A.B. by H was Thuang, and directed occurations in the fore and in mounds around the nown of Charmedday. The fort, which was evidently adapted by the Palthaus, is too much raised to be of any value for purposes of conservation. Lieuteman Martin, sho was less at work with a neld company of anyton, revealed the principal entrance and the stronghold and some coronic irrigation changes of excellent pottery landing from an amount well. He also found in neighbouring meaning of excellent pottery landing from an amount well. fragments of Greece-Buildhist sculptures similar to those afroady transported from the Perhawar district to the Labore Museum—only smaller and more imperfect. They appeared to me valuable only from an archicological point of view. The most remarkable sculpture shown to me by Leontenant Martin was a small stone centaur or human-hended horse.

5. The conclusions I arrived at during this visit are as follows :-

There are objections to the employment of Pathan support in making excavations :-

(a) Their seligion encourages them to deface figure survings.

(A) That work depends on the interest which the officer communiting takes in arches I wo (r) The presence of small bedies of whilers at consete parts of the frontier is upt to tempt the tribes (who are generally at food with such other) to embed their ensures in difficulties with the British, easily brought about by a single shot.

6. I may therefore of the opinion that the more efficient manner of securing the preservation of the interesting numbers which abouted in the Kabul valley is to onlist the people thomselves in the work, making it their interest to produce perfect and mamnifilated sculptures or other antiquities.

There are, I submit two ways of sharp this -

Job, by placing a sum of money at the disposal of the sivil authorities, to be applied in small rewards for perfect specimens of inscriptions, carvings, statuary, coins, or relies of any kind. An annual grant of about Rs. 1,000 would, I think, product consider-

2nd, by systematically emarring sculptures, &c., from particular localities, rich in remains,

y means of an organism game of the trabes people.

It would be normary to provide for appointendence, and to send a responsible person to surver lay out the tasks, and pay for labour.

7. It is semerally agreed that Rangat would be likely to yield valuable discoveries, and a with total knowledge would probably be the lest experience. He should know how to some and runbs place of includings, and learn how to take impressions of inscriptions in guitagents paper. At would be best for him to be directly mader the rivil authorities in the district, and I would direct the technicalities of his speculions, and inspect his work as consider required.

A sould grown of Etc. 2,000 would probable some such expresses.

As re-carte the interesting (exafities in the district, I rescummed that the bendmen of calls, or influential natives, be made responsible for preventing damage; and the ruins at Janual Gards, Telephis Bahis Sahir Hahla, Sawahiber, and Khurkel are particularly worthy of enotody.

- d. Some repairs and improvements have recently been carried out in the Deihi Fort under the Military Works Branch. Daille Frest: Captain Turner, n.n., the Executive Engineer, has alcured and renovated the two paritions referred to at page xxv (Hasyat Bullish) and at page excit (Sawan and Bhadon). At the request of Colonel Holmes, u.s., the Superintending Engineer, I have prepared a design for a balcony to some quarters over the Dellii Gute of the Fort. At present the balcony is of wood and sorrogated from and harmonises III with the surroundings.
- 7. Hamayan's Temb near Della, and the temb and mesque near the Kutub known as Jamali Kamali, are in course of being Humpus's Tool, Jamell Kernill. resoued from neglect, and the grounds and structures put in order; but the work is at a standatill for want of allotmout of funds.
- S. The Fatshpuri Marjid in Delhi was purchased by Government at the time of the Dellii Assemblage, and given Fitshpuri Madid. back to the Mahammalane. The buildings and endomes were in a neglected condition when I made my report in 1880 (see page anviii) but I am glad to say that this has been to a certain extent remedied, the enclosure having been cleaned up and planted, and some of the needful repairs executed in the mosque. More, however, remains to be done. At the respect of the Commissioner of Delhi, Colonel Gordon Young, I have prepared a plan for building some additional houses round the enclosure of the mosque, and by the letting of these the mosque trustees will increase their income.
- 9. Waste Khan's Mosque at Labore has been surveyed, and the drawings will show how artistically valuable this building is, Wester Wissen's Mossium and tend, I hope, to bring about better cure of the building on the part of its owners,
- 10. The whole of the Punjab work has progressed slowly during 1881-82, The famile granted last year have now been withdrawn, and the employment of Mr. Heath, Executive Engineer, Archaeological Division, North-Western Proxinces and Outly, has not been found practicable. The work has consequently been delayed, pending the attlement of who should do it. A special officer, Lieutenant Abbott, R. E., has now been appointed by the Lieutemant-Governor, Sir C. Aitzhison, and a contributhan of Rs. 38,000 out of this year's grant has been made by the Supreme Govern-STREET, SQUARE,

T

Report on Monuments in the North-Western Provinces and Oudh together with a Note on works undertaken.

Note on Allahabad, Benares, and Jaunpur, dated 11th January 1881.

- 1. Buddhist Latt in the Allahabad Fort.—The Asoka Latt in the Allahabad Fort in front of the Arsenal is one of the most interesting of its kind. It was re-erected in 1837, having been found lying on the ground. The Asoka inscriptions on it date 240 B.C. Those of Samuda Gupta dato A.D. 380-400, and there is a Persian inscription of Jehangir's (A.D. 1605) from which it appears to have been re-creeted to commemorate the accession of that Emperor. The base is 7 feet 7 moles, the shaft 35 feet, and the diameter at the top 2 feet 2 inches; at the base about 3 feet. Captain Smith, who re-creeted the pillar in 1837, built up a pode-stal, and translations of the inscription have been printed on paper glazed and fitted into the base. The writing is, however, almost illegible from damp and vegetation which has got behind the sheets of grass, and these motions might be replaced with advantage by some notices printed in enamed on metal.
- 2. Akbar's Palace, Allakabas.—Akbar's palace buildings in the Fort bave been almost entirely obliterated. Those that remain have been adapted to the purposes of the arcsual; and the beautiful hall drawn by Daniell and represented in Fergussian's volume on Indian Architecture, page 583, has been so built up, enclosed and furnished with English doors and windows as to appear to be a building contemporaneous with the Ellenborough barracks outside the arcsual enclosure. The interior columns of the hall are whitewashed and enclosed by partitions in order to accommodate arcsual stores, and the building is past any redemption that would have any chance of being entertained.
- 3. Akshay-But in the Allahahad Feyt.—The so-called underground temple next the around (which is in reality only a building earthed up by accommutated debeis) is the temple described by the Chinese traveller Hwen Theony (A.D. 657). Originally says General Canning-him, both tree and temple must have been on the natural ground lovel. The upper portion has long ago been removed, and the only access to the "Akshay-But," or "undecaying Banum Tree," now available is by a flight of steps which leads down to a square pillared courtyard. This was once open to the sky, but is now closed to secure mystery and darkness. Hwen Thomas describes the temple as being in the midst of the city of Prayaga (Allahahad), which was situated at the confluence of the Jumms and Ganges, so that the First of Hahabas erected by Akhar (A.D. 1572) surrounded this ancient building, and probably was the means of preserving it from being swept away like all other evidences of the old city.
- 4. Khusru Bagh, Allakabad.—These gardens are near the railway station. The tombs of Sultan Khusru, the ill-fated son of Jahangir, of Khusru's mother and of his sister, are in fair preservation, but require (when it can be afforded) more thorough requir. The gardens are well kept up; they were laid out by Jahangir, and are surrounded by a masonry wall.
- 5. Buildhist Tope at Sarnath, Benares.—(Data about 6th Century A.D.)—This manument has been described by numerous people and is well known. General Commission writes about it at length in his Vol. 1, Archivological Report, pages 103—130. Mr. James Fergusson describes and illustrates it in his History of Indian

Arthitecture, pages 65-68. This interesting Tower, or "Dhamek Stupa" as it is called, is in a very ruinous condition. One side of the sculptured frieze is falling, and has been recently banked up with earth. Nothing, havever, can be done satisfactorily until the unsafe masonry is entirely rebuilt; and this should be done at once to prevent further damage.

- 6. Rewere City.→My visit was too short to permit of any careful examination of the buildings in the city, but a large number of ghats and buildings have been built on the river bank, and I propose to make a detailed report, as a great deal may be done in the way of improvement. For instance, one large ghat was sommored by the Maharaja Scindia, but it has sunk and become utterly uneightly, as if disturbed by an earthquake. This subsidence is no doubt due to had foundations.
- 7. January.—The country around January became an independent Moslem province in 1397 A.D., and so remained until incorporated by Akbar in the Mogul Empire. The January Rulers adorned their capital with a series of buildings of a distinct Pathan character unsurpassed in India for magnificence and for individuality of treatment (see Fergusson's History of Indian Architecture, chapter IV).
- B: January Fort Mosque.—The storque in the Fort was erected in A.D. 1398 out of the materials of a Hindu building. In front of the mosque not mentioned by Forgusson is a stone lat or column about 40 feet high, with 3 bands of Arabic inscription half way up. The date of the inscription is A.H. 801. The front row of pillars in the mosques are sculptured, but those in rear are quite plain.

The central archway has an inscription over it, and so has the interior " mehrah" or niche. The mosque is neglected and in disrepair.

- 9. Janupur Fort,—The Fort itself is said to have been built by Firoz Shah. It is now in ruins. The two entrance gates are massive and ormate, and are occupied by police. The first gate has carved spandrels and niches inhaid with colored tiles in yellows and blues. The second gate has some delicate bands of sculpture. Both are in the Janupur Pathan style, and worthy of preservation and illustration.
- A.D. 1419 out of the columns and materials of a Hindu temple, and is a grand building consisting of a pillared courtyant 220 feet by 214 feet. The east end is rained; repairs are in progress to the north and south gateways. The north gate has been almost entirely renewed, but not well. In front of the mosque itself is a sort of gate pyramid, which appears to have supplied the place of a minaret. The interior of the mosque is whitewashed, but its proportions and enrichments in stone and marble are very remarkable. Flanking the sanctuary of the mosque on each side are two vaulted halls 40 × 50 feet. The building is being repaired by Mandri Abdul Majid, but the old lines are not followed sufficiently earefully.
- 11. Mala Marjid, Insuper.—The Atala Marjid is a most beautiful mosque situated in the city. The colonnade of the quadrangle is built up of Hindu columns, whilst the gateways and the façade of the sanctuary to the west, with its three "propylous" or pyramid gates, are all of very handsome and ornate Baracenic architecture. The interior of the sanctuary has a very richly curved dome, but it is whitewashed and exceedingly dirty. The colonnades are used for all purposes by the natives of the city, and are also very dirty; vegetation requires removing from the roofs. Repairs are executed by the Muhammadans, and are in the charge of Maulvi Abdul Majid; but the work requires to be undertaken with more attention to correctness of detail and with greater vigoue.

12. Lall Darwars Masjid, Jacupur.—The Lail Darwars mosque is two miles entside the city of Janupore. It is similar in style to the two mosques above described, but smaller. It is in considerable disrepsir, and the quadraugle overgrown with grass. Flunking the central sanctuary on such side are raised galleries embed by seven work. These were no doubt constructed for purdah women, but now are used as common habitations. The place should at all events be preserved from dirt and vegetation.

The Jaumpur architecture has been illustrated to a considerable extent by Mr. Heath, Executive Engineer of the Archaeological Division of the North-Western Provinces, and his drawings should be published for the benefit of muscums and schools of art throughout India.

Letter from Cavraix H. H. Cotz, R.R., Curator of Ancient Monuments in India, to the Secretary to the Government, North-Western Previnces and Onlik, Public Works Department, dated binds, 2nd August 1881.

I have the honour to acknowledge the receipt of your letter No. C.-\$18B.-R. of 1881, concerning the Sarnath Tope at Benares, and in reply to forward a copy of a Report on Allahabad, Benares and Jampur, in which I have expressed the opinion that the loose masonry is the Sarnath Tope should be rebuilt. By this I mean that, where the stonework has been displaced or has bulgest, it should be taken down and securely replaced, and that where necessary for security plant masonry blocks be inserted to replace what has fallen out and been lost. No naw carved work should be done. The upper part of the stone masonry plants should be taid in cement and secured, as far as possible, against the action of min; but the mound of brick masonry which surmounts the tope should be simply cleared of propers and vegetation.

2. I do not think that these measures should cost anything like Rs. 11,000 ; and if done by daily labour under careful supervision, I am of opinion that a sum of about Rs 2,000 would go far to resome the taps in the manner I have suggested. I understand that Mr. Heath has been lately to Sarnath, and I recommend that he be asked to furnish an estimate for the work.

Letter from Carrain H. H. Coun, R.E., Curairs of Ancient Menoments in Tedia, to the Secretary to the Government, North-Western Provinces and Onlik, Pablic Works Department, finted Bonia, the 4th August 1881.

I have the honour to report that I visited the Agra Monuments on the 14th April last, in company with Mr. Lawrence, the Collector of Agra, and Mr. Heath, Executive Engineer of the Archeological Division. I again visited Agra on the 17th and 21st July last, and beg to offer the following suggestions regarding the buildings in Mr. Heath's charge. The require and restoration of those in the fact are nearly complete, and I strongly recommend that, when complete, they be handed over to the Collector for enably and keeping in good order. The district officers are, as a rule, more permanently located than military authorities, and are much more likely on that account to take an interest in historical and artistic monuments. As I have already pointed out in Appendix II, paragraph 13, of my report dated 10th May, copy enclosed, there should be no difficulty about firs, and I consider the matter of very great importance.

2. In Appendix I of the report, pure 3, I have recommended that the Somemath Gates be set up in the Diwan-i-am, where they were formerly when the building was need as an armony.

The gates should be randered as secure as possible, cleaned, and enclosed be a glazed lines, so as to be preserved from dirt and dust. I would suggest that Mr. Heath be asked to furnish an estimate for this.

- 3. Iten girders are still visible in the roofs of both the Diwan-i-khas and the Khas Mahal, and are very unsightly objects, chashing with the beautiful murble work and mosaics of the buildings. I recommend that an estimate for restoring the collings be prepared.
- 4. The Jahangiri Mahal, which has been so successfully renovated, is flanked by two pavilions which rise above the roof. One of these has been repaired. The second one is enclosed, and is used as a dwelling by the Provost Sergeant, and it should be cleared and just in repair:
- 5. The rooms between the Angeri Bagh and the Jahangiri Mahal, formerly used as the museum, in the fort, require opening out and leaving as they were originally.
- 6. I ventime to suggest that Mr. Heath may be authorised to photograph all buildings before and after they are repaired, so that there may be a record of the good that is done in each case.
- 7. As regards Fatchpur-Sikri, I would recommend that the Birbal house, Akbar's office, and Miriam's house be cleared, and that a suitable dak bangalow be built. When at Fatchpur-Sikri with Mr. Lawrence and Mr. Heath, the site between the old mint and the Diwan-ram seemed to us in every way suitable for the purpose, and I suggest that an estimate be framed. At present the use of the three holdings prevents their being seen and the appurtenances inseparable from a dak lungulow,—cookhouse, chicks, doors, and windows, &c., do not by any means improve the appearance of the buildings. A really comfortable and commodious dak bangalow would probably pay at Fatchpur-Sikri. At present visitors, unless they have an order to occupy the Birbal house, have very limited accommodation in Akbar's office, and many people who would like to stay a few days, drive out from Agra and back the same day.
- 8. The central archway of the great mesque at Fatchpur-Sikri is most analysitly with whitewash, and I recommend its removal, and that the paintings on the scalls be as far as possible restored.
- g. Some of the columns and columniles of the less important buildings at Fatchpur-Sikri have been propped up with musuary buttresses, &c., and when such work has to be done at other places, I suggest that the masonry work he made as little noticeable as possible, and roughly picturesque, rather than "spick and span" with next dressing and pointing.
- 10. The grounds round the great mosque have been greatly improved by Mr. Lawrence, who has cleared detrie away, planted a number of trees, and made a new approach road, which lands the visitor under the Grand Bahard Durwass, the exterior of which many visitors in former days omitted to see. Commercial with the keeping of the grounds, the question of systematically keeping down weeds, creepers, and vegetation from the masoury courtyard and buildings was

discussed by Mr. Lawrence, Mr. Henth and myself. We agreed that the less way would be to make a complete clearance after every rains. A mason and make could do the work in a few days.

11. The buildings at Sikandra are vastly improved by the laying out of the grounds and their conversion by Mr. Lawrence from a wilderness of jungle into a stately park. It would be advisable if something could be done by varnishing to preserve the painted work inside Akhar's Tomb, and details of the varieties of ornament should be drawn and colored.

I also recommend that the finials which originally crowned the kicsques on the entrance gate be renewed.

- 12. The Taj Gardens are in splendid condition, and show off the marble temb to full advantage. Mr. Lawrence has removed the museum from the fart to the Taj gateway, and the architectural and historic specimens are better and more often seen. He has also taken over charge of the building from Mr. Heath, and has put on several finishing touches by renovating the marquetry door opening into the tomb, and by removing unsightly doors from various parts of the buildings.
- 13. The Fatchpur-ki-Masjid near the Taj is in need of repair, and is as much a part of the whole group of buildings, that to withhold the necessary measures would be a mistake, and I therefore suggest that the necessary estimates be called for.

Annual Report by Mr. W. F. Haarst, Executive Engineer, of work done during 1881-82 in the Arabaslogical Division, North Western Provinces and Onds.

Tal, Acre.

- Repairing cost and west walls with Boorjs.—Expenditure Rs. 16,832 during year, total to end of year Rs. 28,603. The work done during the year comprise the partial dismantling of the biospies at the south-east and south-west corners of the enclosure and rebuilding the same. The south-west kiospie has been completed, the upper story and dome being new work.
- 2. The fallon verandah (about 1 of whole) has been restored, dome repaired, and all work necessary for the preservation of the famb has been done. Inlaying and missing marble inside building has not been done.
- 3. Tomb No. 2.—Expenditure Rs. 2,877. Work done same as in No. 3. Cleaning and repairing interior of Taj Gateway.—Expenditure for year Rs. 1,970. Work done comprised the cleaning and recoloring of the whole of the interior, putting in a new plinth, and general repairs to stone and plaster work and renswing intaying.

FORT, Auna.

4. Repairs to Machi Bhavan.—Total expenditure Rs. 16,020. Expenditure for year Rs. 1,016. The work done was the restoration of the lower story of the Arcada. All the pillars in this were broken, and the building was supported by bricking up the opens between. The brack work has been removed, and all the damaged pillars cut out and replaced with new ones.

ETMADUDOWLAR'S TOMB, AGEA.

- 5. Repairs to river face wall and buildings.—Total expenditure Rs. 3,847. Expenditure during year Rs. 1,861. The river wall was completed. The pavilion over river, which was used as a visitors' bungalow, was with the consent of the Magistrate opened out, doors and partition walls removed, and the whitewash on the interior removed, so as to expose the fine painted ceiling. The inlaying on front of building completed, that on the ends not being done, as it was not provided for in the estimate.
- Repairs to cost and west walls and Meck Gate.—Expenditure Rs. 4,786.
 Work was only commenced in February, and the larger portion of the expenditure was on the collection of materials.

SCHANDRA.

- 7. Repairs to West Mock Guteway, Aktar's Tomb, Sikandra.—Total expenditure Rs. 9,050. The south-west and north faces have been repaired, and inlaying as far as was proposed done. The south-west corner of the building had to be dismantled, and foundations dug up so as to get out a peepul tree that had penetrated through the building from founds to roof forcing the whole corner out. Work is in progress on the east face.
- 8. Repairing platform round Abbar's Touth.—Exponditure Rs. 4,532. The alone facing to the raised platform which was much damaged by trees was dismantled and renewed after removal of roots. A width of 15 feet round the edge of platform was taken up and relaid.
- 9. Repairs to Khanja Aither Khan's Tomb near Sikunder.—Expenditure Rs. 2,561. The villagers who inhabited this tomb and had it completely covered in with hats were brought out; the huts, &c., removed. The building cleaned and repairs done so as to preserve the handsome many-domed pavilion on the upper platform.
- 10. Repairing East Mort Gate, Akhar's Tosah.—Expenditure Rs. 991. This gate is so much damaged that to theroughly repair it, it should be totally dismantled. To prevent as far as possible further decay, a new solid roof has been put on. All trees dug out and all the cracks, &c., well pointed so as to stop damage by water.

PATERFUR-SIERI.

- Repairs to Hathiphid.—Expenditure Ba. 5,135, for year Rs. 1,350. This
 gateway with the Sungeen Boorj attached to it has been thoroughly repaired,
 all damaged stone work ranewed, portion of the arching on interior of domed
 roof taken down, repaired and reset. Work complete.
- 12. Repairs to Mosque and Durgab, Fatehpur-Sikri.—Total expenditure Ra, 25,828, for year Rs. 9,897. The principal work done during year has been the restoration of the white marble inlaying on the gates, the completion of the roofing, and require to red sandstone. The work is nearly complete.
- 13. Repairs to Amkhos and 100 feet of Decassisam, Fatchpur-Sikri.—Expenditure Rs. 8,064. The exterior of the plinth verandah pillurs and part of the roof of the Amkhos were in a very shaky state. They have all been dismantled and restored. The 100 feet of Dowan-sam operated on is 50 feet on either side of Amkhos. This was dismantled and completely restored at a cost of Rs. 27 per feet run.
- 14. Repairs to Gales, Agra Road, Fatchpur-Sikri.—Expenditure Rs. 1,797. The gates on this road were pointed, cleaned, patched with rubble masonry and re-roofed so as to stop docuy as far as possible.

TONE OF FEBORE KHAN, NEAR AGEA.

15. Expenditure Rs. 8,626. This handsame building was completely covered with native huts, which were through the agency of the Magistrate removed, and the building has been put into a thorough state of repair. Some of the sandstone carving on this building is the finest about Agra.

Town of Samq Khan and Salahat Khan, Near Strandra.

16. Expenditure Rs. 2,975. The Magistrate cleared out the people who used to live in these buildings, and they have been put into a good state of repair so as to arrest decay. Portions of the baradari which were dangerous were taken down and rebuilt.

JAUNDOR DISTRICT.

17. Repairing Atala Masjid, Janupur,—Expenditure Rs. 6,718. The work was confined to two sub-heads "roofing" and "cleaning and pointing."

The last included digging out trees from the masonry, and minor repairs to stone work.

HAMIRPUR DISTRICT.

18. Repairs to Jaini and other Tamples, Hamispur District,—Total expenditure Rs. 2,325. Expenditure for year Rs. 1,175. The work for the year was on the Rakra Mark at Makoba, the Robilla Sigari and Sikora (or Bane) temples, the buildings abutting on which were cleaved away. Trees and jungle removed from the ruins, and any of the fallen structure that could be got into its place was replaced. Much more cannot be done, as the fallen stones have been removed for bridge building and other district works.

PETTY WORKS.

19. Rs. 286 was spent in rebuilding a portion of the enclosure wall at Sikandra gardens.

Rs. 324 was spent on the maintenance of the Auguri Bagh, Agra Fort.

Hs. 490 spent on require to masonry in different buildings at Fatchpur-Sikri.

Hs. 471 spent on repairing the Nagina Masjid, Fatchpur-Sikri, and

Rs. 758 on different party works under Rs. 200 each.

Extract from a letter from the Government, North-Western Provinces and Onth, Public Works Depart next, to Carrain II. H. Cotz, E.E., Carain of America Monuments in India, dated 23rd June 1882

Under these circumstances all projects and proposals connected with archeological questions in the North-Western Provinces and Chulb will in future be submitted to you by the Executive Engineer, Archeological Division, for your consideration and suggestions before being finally dealt with by this Government in the Public Works Department. This procedure does not contemplate any connection on your part with subsequent execution of the works, which will, as heretofore, be supervised by the Superintending Engineer, 1st Circle, Provincial Works. But this Government would invite your inspection of the wokes in progress whenever convenient, and the completion report will be sent to you.

Note on Works executed in the North-Western Provinces, dated 20th September 1882.

L. The great bulk of the work done at Agm from 1875 to 1879 has been reported on in Appendix H i, page xxiv.

E. Since then the finishing touches have been put on to the buildings at the Taj and in the Fort. There is still some work to be done at Fatchpur-Sikri, where I hope a suitable bungalow will be built in order to free the Birbal Hones, Miriam House and Akbar's Office, which are at present occupied i

travellers and district officers.

- 8. At Sikamba the finish to the knosques on the various structures require to be removed. A most curious discovery has been made with reference to this building. Akhar's temb rests in an underground vault, a second temberone is on the upperment termes; but Mr. Heath has lately discovered an intermediate chamber, in which there is a third temberone surrounded with massive square columns. This looks as if the termes had been raised to better the architectural appearance of the building.
- 4. The painted interiors at the tembs of Akbar and Etmad-ud-Dowlah sadly sequim pre-servation, and experiments are about to be made. Some colored drawings of neilings in the latter building accompany this report.
- 5. The Fatchpur-ki-Masjid, which is at Taj Ganj, has been pronounced by Mr. Heath to be beyond repair; but I hope he will exercise his ingenuity and find some reasonable means of keeping it from tumbling to ruin.
- 6. A reference has been made by the Inspector General of Military Works as to any objection to the demolition of the Dansa-ki-Hawell in the Agra Fort to make more for some quarters, and I have submitted a plan showing the portions of the faithling that are architecturally interesting and worth preserving. I regret to have to state that up to the present one of two bandsome red sandstone pavillens flanking the Jahangir Mahal in the Agra Fort is still enclosed and walled up as a quarter for the Provest Segment. Some means will, I hope, be found to find a more suitable residence, and that the building will be cleared and restored.
- 7. At Jaunpur, the Jama Masjid repairs have reverted to the Mussalman community, and been taken out of Mr. Heath's hands. This will certainly not conduce to good or cheap work.
- The old Buddhist Tope at Sarnath, near Benares, is still neglected; but I hope that the needfal preservative measures will before long be ordered by the Lieutenant-Governor, Sir Alfred Lyall.
- I would urge the expediency and convenience of affixing to each of the Agra Uniddings a markle tablet bearing the name and date of each structure, and the date on which repairs were completed.

V

Note on Monuments in the Central Provinces, dated 21st September 1882.

I have unfortunately been hitherto unable to visit any buildings in the Contral Provinces, but I ventured to point out to the Chief Commissioner, in a letter dated the 29th July 1881, that I thought the remains of buildings at Banghat and at Mandhata to be worthy of more than ordinary remedies, and I hope to be able this season to visit and inspect them.

W

Note on the Monuments in Maisur.

I have not been to any place in Majour acyet, but I learn from Colonel Sankey, a.e., who was at one time in charge of the Public Works Department in Majour, that in his time repairs were executed to the great temple at Hallabid, to the Bailliur temple, and to the small temple of Semmathpur.

2. I hope in course of time to visit these and other monuments of interest in

X

Report on Monuments in the territory of H. H. the Nizam of Haiderabad, together with a Note on Works undertaken.

Note on Kalburgalı, dated 25th June 1881.

My stay in March hast at this most interesting place was rendered doubly agreeable through the courtssies of the Nixam's officers, the Sudder Talukular, and Mr. N. W. Woods, the Executive Engineer of Kalburgali.

2. My first visit was to the "Banda Nawaa," the temb of a saint who came to Kalburgah in the reign of Firm Shab, A.D. 1436. It is about 11 miles must-north-east of the Nizam's bungalow, and is ranched by a road passing through a suburb of low houses. On ascending some steps into an enchance, the tends appears in front. It is a plain dome about 80 feet high. The inner shrine of the saint is of repoussé silver work, ornamented with circular modallions. Near the mint's temb is that of his grandson, and south of the enclosure is another, of the arial's chief son. All three halldays are of risgu-

Worthy of Illustration. Large good proportions and worth framing. Unfortunately each year adds a coat of whitewash to the masonry, and the suitpures are getting more and more obliterated. The endowments come to about the S0,000, and the cost of removing the whitewark could well be afforded by the Trustees.

- 3. South of the tomb analosure is a handsome "Nakarkhanak," and in the story below a "caravanserai," with a "Madrasah" and a mesque on the right, all Buildings one worthy of Bustration. Of stone. The serai has a huge archway, and the columns of the buildings are of nousual design.

 Illustrations would be calculate.
- 4. Tombs of the Bahmani Kings.—These are about one-third of a mile south of the "Banda Nawaz." The principal building has two domes, and is now used as a Revenue Court. The decreasy have some nice incised plaster ambesque work. The exterior arches of the walls are filled with bold geometric traceries. The interior of the building has some extremely good arched work in plaster, but the dome is black with age, smoke, and bats.

Recently records in one building.

5. Under one of the two domes is a black tombstone. The office records are stored here.

- 6. Another tomb is in use as a Judicial Court, others are occupied as offices Jadicial Court, &c., in other buildings, by police, guards, treasury, &c. The building adapted for the latter has some good arch-work in the dome.
 - 7. Vegetation has attacked many of the domes and ought to be destroyed.

 Worth drawing. The buildings are worth preserving and drawing.
- 8. The Great Mosque.—This remarkable structure dates from the 14th century, and was erected with other buildings at the time that Kalburgah was the capital of the Doccan. It stands in the first, which is a massive stronghold of that period, and measures about 216 feet cast and west; and 176 feet north and south. Its peculiarity is that the whole area is doned over, the light and air being admitted through the ranges of arches to the north, south, and east. The merit of this system is that the massine is at all times in slade and protested from the sun. Whather the peculiar construction arose out of the form of some previously existing Hindu selites is a question. Mr. Eastwick calls it " the Temple of Raja Kalchand, which the King Gangu Bahmani converted into a mosque. The Be this as it may, the fact remains that, whereas the early Indian mosques were open courtyards surrounded by columnates, this is a solitary instance of the whole area being under cover, and as such has a special architectural value of its own.
- 9. The stone columns supporting the dames are very massive. Only one of them has fallen and might worthity be removed.

 Four lights have been introduced in each of the small domes. The building was unaccupied during my visit—in 1878 it was used for famine relief purposes—now it is dirty and neglected, a portion of the arches being filled with loose stone. I was informed that it is intended to open out a readway through the fort communicating direct with the great mosque. This would be a great improvement, and the opportunity might then be taken of repairing and cleaning out the building.
- 10. On a bastion, 40 feet high, in the fort is a large gun of coiled steel with horizontal bars in the centre. It measures 26 feet long, 7 feet 6 inches round at the breach, and 6 feet at the muzzle. The bore is 11 inches in diameter. The gun should be preserved in situ.

^{*} This seems doubtful, as the architecture is purely Moslem.

11. The Jama Masjid.—Near the Shah Bazar is a vast building—the Jama Masjid—with square columns, pointed arches and small domes, surrounded by a quadrangle. The Nizam's Government have repaired it.

Letter from Carrain H. H. Cour, R.E., Curator of Ancient Monuments in India, to the Resident, Hyderalms, dated Sunta, 11th September 1882.

Thave the honour to acknowledge the receipt of your No. 135-1882-83, forwarding a communication from His Highness the Nizam's Minister, dated 30th March 1882, on the subject of repairs to the ancient buildings at Kalburgah.

- 2. Referring to the Boza of Khwaja Banda Nawaz, the proposal to remove the several coats of annual whitewashing accumulated on the walls is in every way desirable; but I strongly deprecate the subsequent whitewashing of the walls and picking out the ornamental sculpture in black. All massary work should, I submit, be left plain without any conts of whitewash or colour. This remark applies also to the tombs of the Bahmani Kuags, the state susuary of which should, I think, be left clean and uncovered by any additional coatings.
- 3. In regard to the large masonry mosque in the Fort, the rebuilding the fallen column is a very proper step towards maintaining this interesting ediffice; but I would mention that any substantial or solid closing in of the various sections of the building would detract from its hundsome appearance. That portion of the celifice which is not sacred for praying purposes could be sevened off for means schools, &c., and the accompanying lithograph of a mosque at Cairo furnish—a suggestion for an enclosure, according to the precedents of Moslem architecture. Hoping to hear further of the steps taken at Kalburgah for the maintenance of these valuable monuments, &c.

Note on Works undertaken, dated 21st September 1881.

The foregoing explains what has been recommended and contemplated for Kulburgah. I hope to inspect the works during progress.

- In December 1881 His Highness the Nizam issued orders to provide doorways to certain of the caves at Ajunta, and I understand that this seasonable remedy has been of considerable benefit to the caves and the paintings which cover their ceilings and walls.
- I was accordingly anthorised in July last to express the satisfaction of the Governor General in Council for communication by the Resident at Hyderabad to the Government of His Highness for the preservation of these most interesting monuments.

Ψ.

List of some ancient and modern Forts and Citadels in India.

(Under correction.)

Punjah.

Punjab.

- 1 ATTOCK-Muhammadan, Aklar, 1583.
- 2 Bartanganu-Delhi-Mulammadan.
- 3 Ouansunpan—Peelmwar—Old Pathan Fort called Bala Hissar, built on the site of Pachkalavati, the ancient capital of Gaudhara.
- 4 DELHI (OLD FORT) Lalkot, 1052-Hindu.
- 5 Kila Rai Pithorn, 1180 A.D.—Hindu.
- 8 Siri or Kila-Alai, 1304-Muhammadan,
- 7 Tughlakahad, 1821—Muhammadan.
- 8 Adilabad-Muhammadan, 1325.
- 9 DELHI (MODERN)-Muhammadan.
- 10 Durangem-Montgomery-Early Muhammadan ; in mins.
- 11 Euwandesahad-Bannu-Modern, 1848.
- 12 Islambarn-Bahawalpur State-Hindu.
- 13 Janazuann-Rohtak-Built by George Thomas.
- 14 JASTAK-Sirmur State-Hindu.
- 15 James Peshawar Muhammadan, Occupied by the British.
- 16 Kor Kasnus-Early Hindu.
- 17 Kuntagann-Mandi State-Hindu. 1,500 feet above the Beas river.
- 18 Malaus—Hindu State—Grickia, 2,000 feet above the rivers Gamma and Gambhar.
- 19 Mallor-Salt Range-Old Hindu; Contains a temple on the Kashmir style of architecture. Circuit of fort 8,000 feet.
- 20 Mastgann-Bashahr State-Gurkha.
- 21 Microst-Peshawar-British.
- 22 Montes-Bashahr State-Gurkha. Contains a famous Hindu Temple.
- 23 Mutras-Muhammadan.
- 24 Nawagann-Bashahr State-Gurkha,
- 25 Parmannor-Gundaspur-A very ancient Port. Hindi coins of the lat Century found in it.
- 26 PESHAWAR-Fort or Bala Hissar of sun-dried brick-Mulaummadan.
- 27 Parazour-A Fort built by Ranjit Singh.
- 28 RANGURE-Hindo-Gurkha
- 29 Rantout-Eusefzai, Peshawar-Early Buddhist, with Graco Bactrian buildings. Strong bill fort.

- 80 Royas—Jhelum—Massive fort built by Shir Shah; covers 200 acres Punjat. —Muhammadan.
- 31 SHABRADAR-Peshawar-Sikh. Now held by the British.
- 32 SHER SHAR-Multan-River Fort on the Chemb-Muhammadan,
- 83 Shonkor—North-west of Multan—A very ancient Fort. Greek coins found; also a quantity of moulded bricks.
- 34 Tank—Dera Ismail Khan—Fort of mud. Sir H. Durand lest his life here.

North-Western Provinces and Oudh.

- 35 Aona-Muhammadan. Built by Akhur.
- 36 Araugame-Bundelkhand-Hindu, 9th Century.
- 37 ALTOARD-Originally Hindu-Enlarged by the Mahinttas.
- 38 ALLAHARAD Muhammadan Akhar, 1575.
- 39 Hanawa—65 miles west-south-west of Agra—Old Hindu Fort.

 Added to by Muhammadans and Jata.
- 40 Bareswan-48 miles south-east of Agra-Hindu Fort.
- 41 Buren-Near Etawah-Hindu Fort.
- 42 Bisangan-Mirapur-Hindu; mined.
- 48 CHARKHERI-Near Mahoba, Banda-Mulammalan.
- 44 Chuyan-Mirsapur-Hindu; used.
- 45 HATHEAS-Aligarh-Hindu; rained,
- 48 Kataxoan-Banda-Hindu, 7th Century. Fortifications dismonthed 1866. The sits is covered with interesting remains.
- 47 Jagver—Agm—36 miles conth-west of Agra, on a hill 400 feet high, covered with remains of temples, &c. Has a gateway dated 1571, but the fort is ancient Hindu.
- 48 Jalaon-Small Hindu Fort. Remains of time buildings inside.
- 49 NALAPANI-Dohra Dun-Gurkha, 1514.
- 50 Ninisan-Lucknow-Mulmmmadan, 1362. Built on a Hindu foundation.
- 51 Ragauta-Banda-Hill Fort and 1,300 feet above sea-Hindu.
- 52 Bar Banetz-Muhammadan, 15th Century. Has some handsome tombs and mosques.
- 58 BAJOHAT Benares -- Erected by the British, 1887:
- 54 RAMSADAR-Robilkhand-Old Hindu Fort, with 54 bastions.
- 55 SHARZAHANDUR-Mahammalan.
- 56 Strakar-Kumaun-Hindu. Strong, but without water-supply.

Bengal and Assam.

- 57 Bananarr-Cuttack-Hindu, 14th Century; almost ruined.
- 58 Beneuann-Purneals District-Hindu, B.C. 57; mined.

Mengal.

- 59 Braken-Patna-Buddhist, Large deserted Fort.
- 60 Britan-Gya-Buddhist, Massive walls.
- 61 Carcurra-(Fort William)-British.
- 62 Dennuara—Bacca District—Hindu; 2 miles in circuit; contains remains of buildings.
- 63 Guotouxy-Remains of a Portuguese Fort, which grew into Hugli.
- 64 Monenya-Muhammadan.
- 65 Razaunian-Patna-Ancient Buddhist; in ruins.
- 66 Routascaum—Shahabad—Ancient Hindu; 1,490 feet high, 28 miles in circuit; contains many interesting buildings.

Auga-

67 GARROAON-Silmgar, Assum-Hindu.

Rajputana.

Relpulume.

- 65 AMERI-Jaipur-Hindu,
- 69 Buarssnon-Udaipor, on a rock-Hindu.
- 70 BHARTPUR-Hindu, 1783.
- 71 Buarnain-Bilmner-Old Hindu.
- 72 BIKANER-Hindu, 34 miles circuit. Good condition and massive.
- 78 Corrrons-Barly Rajput.
- 74 Dre-Deeg-Bhartpur-Hindu.
- 75 Janua-Tiger Fort-Hinds.
- 76 Januaram-Himle; 250 feet high; strong.
- 77 Japures-Hindu, 1549.
- 78 RAJUARR-Ulwar State.
- 79 RANGAMBORE-Jaipur State.
- 80 Tatagaun-Ajmir-Originally Hindu.

Central India.

Control In-

- 81 Burnes-Bhopal-Hindu.
- 52 CHANDERI-Gwalior-Ruins; Hindu.
- 83 Gwarton-Gwallor-Hindu.
- 84 JHANSI-Gwallor-Hindu; naturally strong position.
- 85 Januan-Gwallor State.
- 86 Raisin-Blogal-Hindu.
- 57 Sixowa-Mahratta, one mile in circuit.

Central Provinces,

Central Pro-

- 88 Astronau-Nimar-Hindu; strong.
- 80 Barrayus-Chanda-Hindu.
- 90 CHARAGARH-Narsingpur District-Hindu; ruined.

- 91 Deour-Sanger-covering Saures-Hindu-1713; 1,700 feet high; Control Property by Police, &c.
- 92 Diramost-Saugor-Hindu, 1600; 52 acres.
- 93 Donganganu-Ripur-Hindu; 4 miles circuit; no remains of buildings.
- ## GARHAKOTA-Sagar-Hindu, 1629.
- 95 LAPHAGARH-Bilaspur District-Hindu; part of the Fort remains in good preservation.
- 96 Rananganu-Sagar-Hindu; large Fort with many buildings.
- 97 Ratrum-Hindu, 1460; a mile in circuit.
- 98 Sagan-Mahratta Fort-covering 6 acres.
- 99 Sinuausoass—Jubbulpore, on a high hill—Hindu, 1540; remains of the Fort are extensive.
- 100 TERAGARH-Chunda-Hindu; 2,000 feet above the sea.
- 101 Umans-Nagpur-Hindu; partly rained.

Bombay Presidency.

- 102 Anmadnagas Decan Muhammadan, 1559; 11 miles in circuit. Bombay.
- 103 Bizarus-Kaladgi-Muhammadan.
- 104 Bekkun-Sind-Muhammadan.
- 105 CHAMPANER-Panch Mahale-Large and strong; Hindu.
- 106 Davis -- Portuguese Settlement -- In Guzerat, two Forts: "Damao Grande," "Damao Piquent."
- 107 DHARWAR-Hindo, 1403; falling into ruins.
- 108 Dauria-Khandesh-Hindu,
- 109 Dat-Portuguese, 1545; in good preservation.
- 110 Donab—Panch Mahals—Muhammadan, 15th Century; strongly built.
- 111 HARBURANDRAGARH-Ahmednagar; 3,869 feet above the sea.
- 112 IMAMGARII-Khairpur State, Sind. Blown up by Sir C. Napier.
- 113 Junnan-Poona-Muhammadan, 1430.
- 114 PURUNDHAR—Poona, on a hill, 4,472 feet above sen—Hindu; afterwards occupied by Mahrattas.
- 115 Ramann-Thann-Hindu; eventually taken by Mahrattas.
- 116 Barnt-Ratnagiri-Mahratta, 1662.
- 117 Panna-Khaudesh-Himin.
- 118 PARTABOARD-Satara-Mahratta.
- 118 Pawaoann-Panch Mahala, on a hill, 2,800 feet above the sea-Jain; afterwards occupied by Muhammadans, who erected buildings.
- 120 Pawangang-Kolhapur-Hill Fort-Hindu.
- 121 Sarana-On a hill-Mahratta.

Dombuy.

- 192 Sanway-Karachi-Sind, old fort, said to be of Alexander the Great.
- 123 SHIVNEE-Poons-Mahratta.
- 124 Shorares Muhammadan, 1845.
- 123 Sovgann-Baroda-Hindu.
- 12d Surar-Built 1373, rebuilt 1546.
- 127 Strungen-Poom-Hindu.

Berars.

Bulence

- 128 Bacaren-Muhammadan, 1757; large and strong.
- 450 Gawire con-Ellichnur-Muhammadan, 7450. Fort dismentled 1853.
- 130 Nanuana-Eilichpor, on a hill, 3,161 feet above sea : extensive fortifirstims-Jain; afterwards added to by Muhammadans; interesting ruined buildings in the Central Fort.

Haiderabad.

- Haltembert [11] Golcoxna-Fort used as the Nizam's Treasury.
 - 132 Daviaranan-On a rock-Hindu (Deogiri); large Fortress.
 - 183 Nationed-It miles in circuit, on a rock 200 feet high-Early Himiu.

Maisur.

Moison.

- 181 Bandatons-Hindu, 1587.
- 135 Bantuat-Chitaldrug-Hindu, 16th Century.
- 186 CHERRADARAPUR-Kolar-Hindu, 1479.
- 187 CHITALDRUG-Nagur-Hindu, 1508.
- 188 Domannayon-Bangalors-Hindu, 14th Century. In the Fort are the remains of several fine buildings and tanks,
- 180 Massen-Hindu
- 140 Naspumur-Kolar, on a hill, 4,810 feet above the an-Hindu ; uilded to by Muhammudans.
- [4] Savaspares-Bangalors-Hindu.
- 112 Santsonratas-Hindu, 1454; existing fortification constructed by Tipu Sultan.
- 143 Stus-Tumkur-Muhammadan.

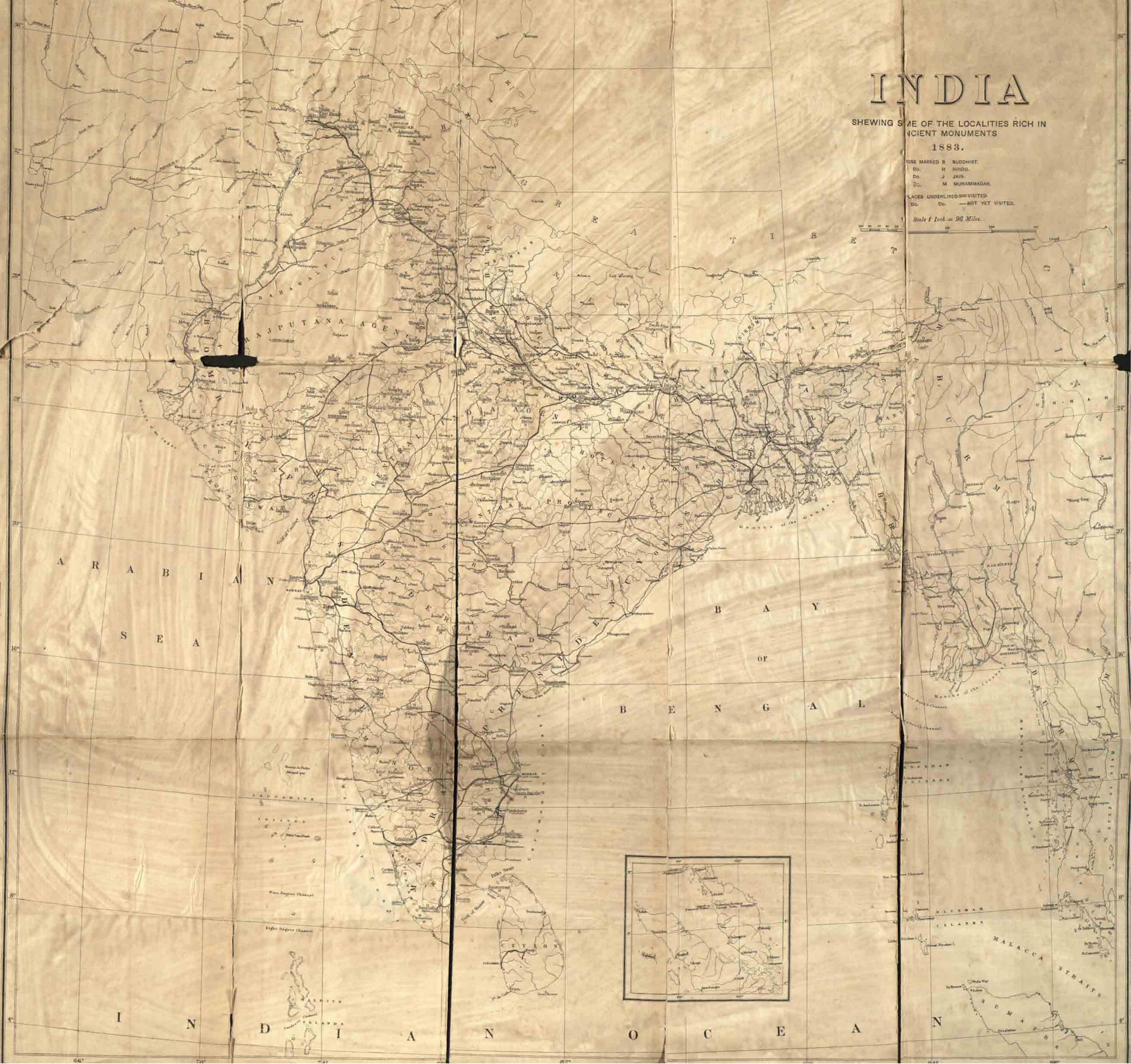
Madras

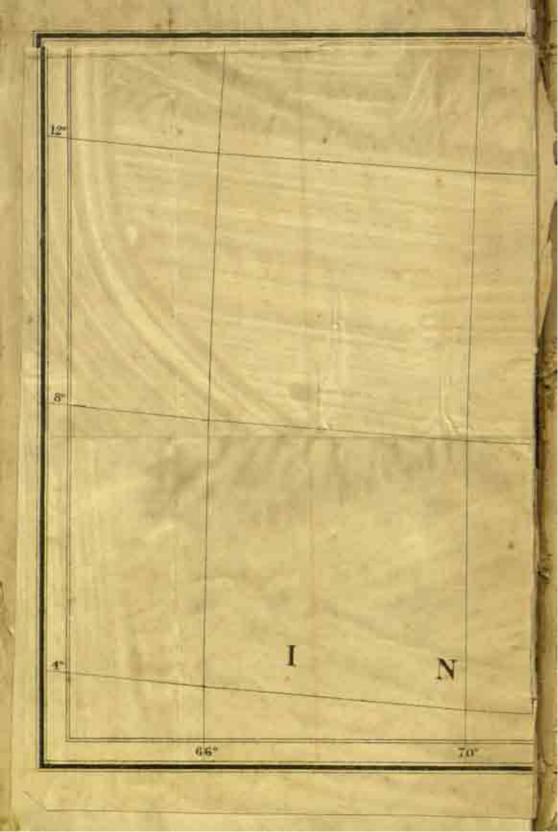
Macirna

- 144 Aucor-Hinda-Now almost ruined.
- 145 Ania Kussunt-Near Pomlicherry-Hindu.
- 146 ABNT-North Arcot-Hindn; in ruins.
- 147 Avuu-Saliim.
- 148 AMBERBERG-North Arcot, Madras.

Mallyan.

- 149 Buttany-Hindu, 15th Century; strong.
- 150 Bossily-Viragupatam-Hinda.
- 151 CANNANGUE-Malabar-Hindu.
- 152 CHATTERT-South Arcot District-Hindu.
- 158 CHANDRAGINI-North Arcot-Hindu, 1510.
- 154 Curxquarer-Hindu, 16th Century.
- 155 CHEVYAI Malabar Datch, 1717.
- 156 Cours—Malabar—First European Fort in India, Portuguese, 1503 a now rained and occupied by a light-house.
- 157 Covmovo—Chingleput—Mahammadan, 1745; blown up in 1752 by Clive.
- 158 Connaxous-South Arest-Muhammadan; in ruins.
- 159 Four St. Davin-South Arest, 17th Century. Parts in good pre-
- 160 Devikorra-Tanjore on the coast at the mouth of the Coleroon River. An early settlement of the Company; ruined.
- 161 DHARAPCHAM-Coimbutors. Fort dismantled in 1792.
- 162 Dixpuest—Madura, on a rock, 1,223 feet high—Hindu. Was occupied by the British until 1860; great natural strength.
- 163 Gazunzor—Culdanah District, 1,070 feet high—Hindu, 1589.
- 164 Gantan-Company's Fort, 1768.
- 165 Goovy-Bellary-Mahratta, 16th Century.
- 188 Gunasu Konpa-Cuddapah-Hindu.
- 167 Great-South Arcot-Hindu, 1442. Several fine buildings in the
- 168 Kasyaurus—Nelloro—Hindu, 13th Century; on a hill 1,500 above the sea. There is an aucient temple here.
- 169 Kanasours-Chinglaput,
- 170 FORT Sr. GRORDE-British, 1609.
- 171 Parquar-Malabur-Hindu.
- 172 Passakonna-Bellary-Hindu; afterwards occupied by Muhammadans, who left many buildings:
- 173 Penastakat.-South Arcot.-Hindu; on a bill 370 feet high,
- 174 Ramucu-Ballary-Hindu.
- 175 Taxanu-Hindu-Occupied by Mahrattas.
- 176 SARKARIDRUG-Salum-Hindu; very strong.
- 177 SATYAMANGALAM-Coimbatore-Hindu-
- 178 Terramen-Malabar-Hindu; used as a jail.
- 179 Tragaz-South Arcot-Old Hindu.
- 180 THANQUEBAR-Tanjore-Built by the Danes, 1624.
- 181 Tarvanpaux—Travancore—Hindu; full of quaint wooden buildings.
- 182 Vellous—North Arcot—Hinda, 1,500 strong. Has a beautiful temple imide.
- 183 Visugunna-Kistna-Old Hindu.





PRESERVATION OF NATIONAL MONUMENTS.

SECOND REPORT

OF THE

CURATOR OF ANCIENT MONUMENTS

EM:

INDIA,

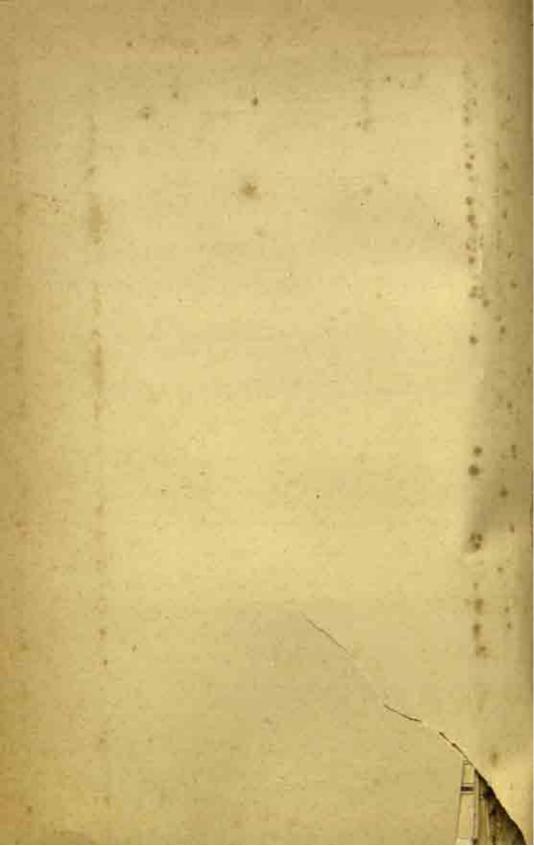
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THE YEAR 1882-83.

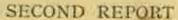


CALCUTTA:

PRITTED BY THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1883.



PRESERVATION OF NATIONAL MONUMENTS.



OF THE



CURATOR OF ANCIENT MONUMENTS IN INDIA

FOR THE YEAR 1882-83.

1. Soon after my return to head-quarters from tour early Return to in April 1882, examinations for promotion prevented my get-bed-quarters bank and promotion prevented my get-bed-quarters and promotion prevented my get-bed-quarters are promotion prevented my get-bed-quarter are promotion prevented my get-bed-quarters are promotion prevented my get-bed

ting fairly to work until the 7th June.

2. The party of draftsmen who had proceeded to Madras Sawys in on the 12th December 1882, remained in that presidency up Madras. to the end of July. Very complete surveys were made of the Srirangam and Jambuishuar temples at Trichinopoly of the great temple at Madura, and of the temple at Ramesseram in Paumben. These are remarkable examples of Dravidian architecture, but being in the possession of natives, the only hope of influencing the trustees charged with administering the temple endowments is by detailed specifications of the requisite repairs, illustrated by plans and drawings.

3. In July and August 1882, I visited Delhi, Udaipur, Nagda, Tour daring Eklingji, Chittore, Indore, Ajmir, Mount Abu, Jaipur, and the rather of

returned to Simla on the 22nd of August.

4. Until November my office continued to be engaged in Preparation fairing out field surveys, and the following drawings have of plans and been prepared since April 1882 :-

Province.	Nome of glaces	Greens heading.	No. of Local Party of		Remark
Роздан	Lahore	Wails Khan's sungers .	41	72.	Three plans have been pre- pared from cough measure- reants. The details con- sist of full-sea tracings from the original treach and third petterns on the walls as
		Plan of fort			drawn home colored and finish- ed, and go are in progress.

-			Pio.		
Providency or Province.	Name of place.	General busings	Philas, 800- thous and shortdood,	Denilla	Reserve.
Ponjan- xostal	Amritsas	Golden temple Fort, Diwno-i-am	9	181 18	Faired out from rough field measurements, and ima ser of tracings on cloth. One large tracing on cloth sales, from the measure in its present stars, and one small restored drawing made of the same.
	Nur Mahni Eurofeni	Gateway of serai Explorations in Eurofeai	9	H 17	A about of drawings showing the original condition.
CENTRAL INDIA.	Gwaline	Fort, Palace.	2	21	The details are still in pro-
MADRAS -	Trichino-	Temples of Sciences . Jambaishour Tumb of Nathar Asia	4 40	100	Drawings illustrating discipate notes and recommunic
1	Madara.	Great temple	5	17	dations for remediate
	Kamenteram	Temple of Size	3	ů.	
Rajeutana.	Ajmie Paolat Bagis	Galeway of the fort of Taragarh. Markle parities Dangah of Kwaja Syad. Ackao-din-ka-jbompra (ancient mosqua).	* 48.0	14.	Restoced drawings
CRNTHAL PRO-	Chittoer, {	Tower of victory Sanga Chaori Jain Tower General plan	*****	100	
	Mand- hatta.	Tempis of Sniffbeshuar of Onskur of Guri Sem- nuth of Maminhanr of Viction	main man	1	Drawings in progress abouting dampair.
Punjan . Mannan .	Delhi Laboru Trichino- poly	Fort, Dissur-lean maste Plan of fort Temple of Srivangam of Jumbushurr.	16.0 (6.6)	2 72	Completed and mut to Paris for suproduction.
-					

Besides these I have furnished, at the request of Colonel Gordon Young, the Commissioner, a design for adding shops round the enclosure of the Fatehpuri Masjid at Delhi; by this means the mosque revenues are capable of increase and of contributing to the means for properly maintaining the

Patchpuri Manjid, Defni, building, which was bought by Government from a Hindu and given back to the Muhammadans of the city at the time of the Delhi Assemblage. I also, at the request of the Military Works Department, prepared a design for a balcony in front of officers' quarters in the upper part of the Lahore gate of tabore gute, the Delhi fort, in harmony with the architectural style of the Delhi tort. surroundings. Lieutenant-Colonel Steel asked me to supply Almir Telea design for a telegraph office at Ajmir to harmonise with ample Office. the native buildings of the city, and I gave a plan which is approved. I have also assisted Major Bisset, R.E., Manager of the Rajputana State Railway, with architectural sug-Almir Rail-

gestions for the Central Railway Offices at Ajmir.

5. The following is a detail of my tour from November Tour, 1882 to April 1883. On the 7th November I left Simla, November to visited Ajmir on the 9th and inspected the pavilion in Ajmir. the Daolat Bagh with Mr. Brassington, Executive Engineer in charge of the repairs, for which a sum of Rs. 2,000 had been allotted from the Government of India grant. On the 11th November I made a hurried survey of the old Portuguese ruins in the Bassein Fort near Bombay. I reached Bassein. Mudras on the 14th and arrived at Masulipatam on the 19th of the month. I then proceeded to Amravati on the Kistna Amravati river and carefully investigated the condition of the great Buddhist Tope. My report, dated 25th November, has been submitted to the Madras Government, also to the Government of India, vide my letter No. 620 of the 27th February 1883. I returned to Madras on the 30th November and had an interview with His Excellency the Governor on the subject of conserving the Amravati marbles in situ. I also succeeded in arranging with the Madras Government for the special employment of Mr. Black, Assistant Engineer. I Appointment returned to Bombay on the 5th of December and conferred of htt. Block. with the Bombay Government on the subject of repairs to Bianur and monuments at Ahmedabad and Bijapur, Leaving Bombay Abisidabad on the 7th December, I proceeded to Sanchi in Bhopal, and sands. started Major Keith on repairs to the great Buddhist Tope at that place. I left Sanchi on the 12th December and went to Mandhatta on the Narbadda, where there are many remark- Mandhatta. able Hindu monuments well worthy of record and preservation. Allahabad was next visited on the 18th December in order to submit some recommendation to His Honour the Lieutenant-Governor for work in the Archæological Division, North-Western Provinces. I then returned to Simla and started off a party of draftsmen to the Central Provinces and Rajputana. On the 6th January 1883, I left Simla for

Peshawar and arranged with the Commissioner for some excavations in the Eusofzai district. I next visited Lahore Berhawar. labor Delh- and up to the 26th was engaged with Lieutenant Abbott, R.E., in going over the various buildings of interest at Lahore. and Juliyate From the 27th to the 29th we were engaged at Delhi, and up to the 31st at and near Jullunder. I visited Jaipur on the 14th-15th February, and saw the Resident about repairs to laipur. Importion is the Amber Palace. Reaching Agra on the 16th, I inspected the N. W. P. the buildings in the charge of Mr. Heath, Executive Engineer of the Archieological Division, North-Western Provinces, and went with him to Fatehpur-Sikri, to Sikandra, to Muttra, to Bindrabun, to Aligarh, to Budaon, and to Jaunpur. The latter place I left on the 5th March and proceeded to Sasaram in Bengal in order to examine the work at Shir Shah's tomb Bengal. progressing under Mr. Beglar, Executive Engineer of the Ancient Monuments Division. Leaving Sasaram on the Sth March, I revisited Sanchi in Bhopal on the 12th to 14th in order Sanchi. to inspect the progress of Major Keith's operations at the Great Tope. I next proceeded to Bijapur in Bombay to Bijagur. see some repairs to the architectural buildings of that place under the Executive Engineer, Mr. Reinold. Leaving Bijapur on the 20th, I revisited Hoti Mardan, where I arrived on the Penhawar. 28th. After inspecting the excavations at Sanghao, I made a list of the numerous sculptures that had been unearthed and collected. Leaving Hoti Mardan on the 5th April, I reached Lahore the following day, and had an interview with His Honour the Lieutenant-Governor on the 7th, in order to report to him what had been done, and to ascertain his views in regard to this year's work at Lahore and Delhi. I returned to head-quarters on the 8th April 1883. Return to The details of the year's work are specified in the Appenhumbiquierren.

List of impou-

6. Appendix A, gives a revised and augmented list of the most important known monuments in the various administrative areas. Out of the 50 buildings in the Bengal list, I have visited 2. Of 107 monuments in the Punjab list, I have examined 31. Of the 15 in Kashmir, I visited 10 in 1868. Of the 37 in the Rajputana list, I have seen 16. Central India shows a list of 20 monuments, of which I have seen 8. Haiderabad has 14 entries, one of which I know. Of Maisur with its 8 entries, Burma with its 7 entries, Nepal with 3, Assam with 4, I know nothing whatever. Out of the 20 buildings in the Madras list I have been to 12. Of the 42 in the Bombay list I have seen 17. This makes in all 428 entries, of which I have personal knowledge of 121.

7. Of the 428 monuments enumerated in these imperfect Containpairs schedules, 127 are in Native States or in charge of natives, how much and repairs would have to be executed at the expense of the local Chiefs or endowments. The remainder, 301, can only be repaired at the charge of Government or with the assistance of grants-in-aid.

8. The survey and examination of buildings in Rajputana

will take several years to complete.

g. Up to date, 768 rough field plans and drawings have reasonable made by my establishment; 437 of these have been drawings. faired out, producing 149 finished sheets; and 127 out of these 437 are in course of reproduction, producing 40 plates for publication. It is desirable to publish these and make use of all available material.

to. Appendix B, gives a provisional list of British monu-thinds ments worthy of preservation on account of their public inte-

rest.

11. Appendix C, is a list (under revision) of works bearing Works of

on Indian and Oriental architecture, archaeology, and art.

12. Appendix D, details the progress of work in the Madinas Madras Presidency, to which an important impulse has been given by the cultivated taste of the Governor, Mr. Grant Duff, as well as by the tour which took him in July 1882 to many places of interest. My inspection of the Buddhist Tope at Amravati in November 1882 resulted in the report quoted at length in paragraph 6. The temporary appointment of Mr. H. Black in December 1882 as Assistant Engineer for Monumental Preservation provided the means of suitably applying the grant of Rs. 5,000 contributed in 1882-83 out of imperial funds to some preliminary operations at Bijanagar, which are described at page lxxxvi. Up to the end of March, Mr. Black had succeeded in clearing away jungle and overgrowth from t to buildings, in examining the great Vittala Swami temples, also in the removal of débris, and modern additions, previous to framing an estimate for structural repairs,

I have since seen, commented on, and recommended Mr. Black's estimates for Bijanagar and the Seven Pagodas, and a contribution of Rs. 10,000 has been made out of the funds provided by the Supreme Government during the year 1883-84.

Mr. Black has recently been at the Seven Pagodas, where, as suggested by me, he cleared away the sand from the ancient Shore or Alaiva temple, and (as I expected) revealed the walls of a courtyard to the east, thus bringing to light a most interesting adjunct to the building, which appears to be unique in its architectural treatment.

Rombay.

13. Appendix E, details the various steps taken in the Bombay Presidency. Early last year I invited the consideration of the Bombay Government to the question of how far monuments of interest and beauty should be converted for use as offices, dwellings, stores, or other purposes of Government. There can be no possible harm in using dismantled shells of buildings such as exist in the citadel at Bijapur, neither is there any objection to putting native structures of interest to the same uses as those for which they were originally erected, but it is incongruous to continue the use of the beautiful mosque of Sidi Syad in the Bhaddar at Ahmedabad as a district court-house for the mamlatdar; whilst the recent conversion of the handsome mosque of Mahmud's tomb at Bijapur into a travellers' rest-house discourages national appreciation of ancient examples of native architecture.

This question is so important that I strongly commend to Government the advisability of laying down some general

principles.

I have been in frequent correspondence with the Bombay Government on the subject of appointing a special officer to execute repairs to ancient monuments. The Executive Engineer of Ahmedabad, in submitting various estimates for repairs in December 1882, observes that "the estimates have been framed as well as they could be, but they cannot be considered satisfactory, as this Department is not trained to this kind of work." In regard to certain estimates for Bijapur, the Superintending Engineer writes in October 1882 that "it is very doubtful, even if funds should be available, whether the Executive Engineer will be able profitably to undertake any more work than he has now in hand." The Collector of Ahmedabad in May 1883 supported my recommendation for a special officer to have charge of repairs, and my proposal for the provisional appointment of a young Assistant Engineer to prepare projects in consultation with me has been submitted to the Bombay Government.

As regards localities other than Ahmedabad and Bijapur, sundry beneficial remedies have been applied to the Karli caves, where the natives had made an objectionably free use of paint for religious festivals; to the deserted temple at Ambernath, the repairs to which I have not yet seen; and an estimate is under preparation for carrying out the recommendations submitted for the buildings in the old Portuguese fort

of Bassein.

ta. Appendix F, refers to works in progress in Bengal. Mr. Beglar, formerly one of Major-General Cunningham's

Assistants in the Archæological Survey, has since 1880 been engaged as Executive Engineer in repairing the great Buddhist temple at Buddha Gaya. I have not been concerned in this work, which was initiated (before the creation of my office) in consultation with General Cunningham. I have, however, submitted some recommendations for disposing of the numerous fragments of sculpture which abound at the temple, also for providing permanent custody. Mr. Beglar early in 1882 became engaged in repairs to Shir Shah's tomb at Sasaram in the Shahabad district. I had no opportunity of perusing the specification until the work had been begun, and repairs of questionable taste had been completed when I first saw the building early in March last. I have since submitted recommendations and have generally advised the Bengal Government to take in hand the best monuments of their class in the province, and, as usual in similar cases, to direct the Executive Engineer to prepare his projects in consultation with me. A rough estimate for dealing with Man Singh's palace buildings at Rohtas had been prepared by Mr. Beglar, but I have pointed out that the old ruins at Gaur are generally held to be of greater importance, and should be given precedence over others. General Cunningham agrees with me in this opinion.

Major Keith was appointed Assistant to me on the 14th October 1882. He had been previously engaged under the Agent to the Governor General at Fortress Gwalior, where some important buildings have been repaired at my recommendation. His work at Sanchi is of still greater importance. The Buddhist remains are the most imposing of their class in India and the most complete. The operations described commenced in December 1882 under my orders; structural repairs to the Great Tope and its elaborate gateways, two of which were in fragments on the ground, being accomplished by the middle of April 1883. Much remains to be done to the various structures, about which General Cunningham and Mr. Fergusson have written at greater length than about any other group of Indian monuments.

Casts of the eastern gateway made by me in 1869 are at the Kensington Museum in Edinburgh, and in Paris. Sir Lepel Griffin has informed Government that Her Highness the Begum of Bhopal proposes to build a travellers' bungalow

^{*} See Countingham's "Bhiller Topes," and Fergusson's "History of Indian Architecture" and "Tree and Serpont Worship."

close to the Sanchi monument, and the Bhopal State Rail-

way will have a station at the village.

The Central India Agency embraces a large area of great archæological and architectural interest. Besides Gwalior and Sanchi, to which special attention is being directed, there are the important centres of Khajuraho, Oorcha, Duttiah, Mandu, and Bhilsa, all of which should be surveyed and cared for.

Sir Lepel Griffin reported to the Supreme Government in March last that all of the Native Chiefs "will in different degrees consent to contribute to such schemes as the representatives of the British Government may specially press upon their notice. Where a particular work is to be undertaken, the Political Agent will from time to time endeavour, with as little friction as possible, to obtain help both in labor, material, and funds from the Native Chiefs concerned."

material, and funds from the tradity Chiefs concerned

16. Appendix H, deals with Rajputana, a country which above all others in India possesses most interesting historical and artistic traditions. They fired the enthusiasm of Colonel Tod, who in his "Rajasthan" records experience and investigations extending over several years of official connection with the States of Rajputana. Most of the numerous Native Chiefs take a pride in the monuments of their ancestors, and are more easily induced to bestow care upon them than any other class of Native Princes in India. The Governor General in Council has recently determined to induce the Durbars through the British Political Officers to make a real effort to carry out the repairs and remedies recommended by me, and I am confident that a careful survey, calling attention to the necessities in each structure, will in time be productive of the best results.

Repairs have commenced to an interesting marble pavilion of Jahangir's time in the Daolat Bagh at Ajmir, and some further repairs have been applied to the ancient mosque of that city known as the Arhai-din-ka-Jhompra. Surveys have been made of the group of Muhammadan buildings in Ajmir called Khoja Syad, and of the Jain Tower, Khumbo Rana Tower, and Sanga Chaori at Chutore in Meywar. Permission has been obtained to survey the ancient palace at Amber

near Jaipur, and the Jain temples at Abu.

17. Appendix I, relates to operations in the Punjab. A number of works, projected on recommendations submitted in a report on Lahore and Delhi (see Annual Report, 1881-82, Appendix H, pages xxi-xxix), had been estimated for by the local Executive Engineer early in 1882, and the visit of Sir Robert Egerton to Nur Mahal near Jullander initiated

Rajputano.

Thurysis

repairs to the gateway of the serai at that place, for which I furnished a restored drawing. Besides these, repairs to a number of minor buildings around Lahore were provided for in an estimate framed by the Executive Engineer at Lahore. It soon became evident to me from the specifications which I had an opportunity of perusing that no satisfactory results could be obtained unless a special officer had charge of the works; I accordingly recommended Sir C. Aitchison to apply for the services of Mr. Heath, Executive Engineer, Archæological Division, North-Western Provinces. It seemed to me that this officer, with suitable sub-divisional establishments, could simultaneously superintend work in the Punjab and North-Western Provinces. Objections were, however, raised to this arrangement, and Sir C. Aitchison determined to appoint Lieutenant Abbott, R.E., to the charge of an archaeological sub-division, and directed him to arrange plans for repairs, and to prepare the estimates in communication with me, and under my approval. This appointment took place on the 3rd November 1883, since which date Lieutenant Abbott has been engaged at Lahore and Delhi in the initiation of the various repairs, specified in the Appendix, to the following buildings:-

Jahangir's tomb.
Asaf Khan's ,,
Nur Mahal's ,,
Miscellaneous tombs in and around
Lahore.
Shahlimar gardens.
Tomb and mosque of Jamali Kamali.
Humayun's tomb.

Many of the works had been commenced before Lieutenant Abbott's appointment, and I found it necessary to recommend the numerous changes and modifications set forth in the Inspection Notes, pages cviii to exii. The following projects for buildings have been modified or newly prepared by Lieutenant Abbott:—

Jahangir's tomb.
Shahlimar gardens.
Naulakka pavilion in the fort.
Fort historical buildings (petty repairs).
Kila Kona mosque in Purana Kila.
Historical buildings in and around Delhi (petty repairs).
Dewan-i-am in the palace.

Besides these, Mr. Harrington, Executive Engineer, Jullunder, has most successfully carried out the projected repairs to the gateway at Nur Mahal, and has commenced repairs to two beautiful tombs at Nakodar.

A memorandum on explorations in Eusofzai is quoted at length, and describes the very interesting Græco-Bactrian sculptures that were obtained. I hope that something will be done annually until the whole district has been thoroughly

examined.

North-Western Provinces and Outh. 18. Appendix K, relates to the progress during the year, of work in the Archæological Division, North-Western Provinces and Oudh. An opportunity occurred in May 1880 of reporting on the restoration and preservation of architectural buildings in and near Agra (see Annual Report, 1881-82, page xxix), and the comparison at that time between the renovated and cared-for Agra monuments, and the aspect of ruin and neglect afforded by the Lahore and Delhi buildings, furnished the most convincing argument for the necessity of conserving the ancient monuments throughout India.

Sir John Strachey's system. The system inaugurated at Agra was as simple as it was effective. An Engineer of general ability having been appointed, Sir John Strachey, then Lieutenant-Governor, issued his own instructions after personal and attentive scrutiny of each individual structure. The taste to discern what was necessary directed the operations, which were carried out in a workmanlike manner. Sir John Strachey was succeeded by Sir George Couper, who took less interest in monumental preservation, and the Archaeological Division has been threatened with changes; but the foresight of its originator had secured the requisite funds for completing certain definite operations, and momentary indifference or financial pressure passed harmlessly away.

Sir Affred Lyali's interest in the The present Lieutenant-Governor, Sir Alfred Lyall, with cultivated appreciation has encouraged the work in the Archaeological Division by personal inspection of the monuments at Agra, Jaunpur, and Sarnath. The orders of his Government issued in June 1882 directed the Executive Engineer to prepare his projects and proposals in consultation with me before being finally dealt with. I have in this way been able to make some suggestions, notably those concerning the restoration of fresco paintings in the Fatehpur-Sikri and Sikandra buildings. The revival of the colored patterns in the arched entrances and interiors has wonderfully improved the appearance of the structures and brought to light one of their most characteristic and singular qualities.

Revival of

I have also endeavoured to suggest economical remedies, Economical as, for example, in the two cases of renewing the ceilings of the beautiful palaces known as the "Khas Mehal" and "Dewan-i-Khas" in the Agra fort. These buildings had many years ago been robbed of their heavy marble ceilings, and to support the flat roofs were subsequently furnished with iron joists which looked very unsightly from the interior. Mr. Heath's original estimates for replacing the ceilings in their massive integrity and completing the repairs to the two pavilions came to Rs. 1,60,633—an expenditure so obviously prohibitory that I recommended the use of iron joists as a support for a lining of thin marble slabs, and the revised estimates, aggregating Rs. 45,921, showed a saving of Rs. 1,14,712.

The works of importance in contemplation and requiring Works of im-

completion are-

Warks of importance to be completed at

(1) The removal, from the Birbal house, Miriam house, Agra. and Akbar's office, at Fatehpur-Sikri, of the unsightly doors and appurtenances used in the buildings for the accommodation of travellers.

(2) Complete renewal of all frescoes on ceilings, walls, domes, arches, &c., in the

Khas Mahal Jahangir Mahal Akbar's tomb. Etmad-ud-Dowlah's tomb. Mosque at Fatehpur-Sikri.

- (3) Completion of repairs to the Jahangir palace, Agra fort, now possible, as the removal of the Provost Sergeant's quarters from one of the roof pavilions has been arranged for.
- (4) Complete and effectual custody of the restored buildings, to prevent theft of mosaic stones and damage of any kind.

It is most desirable that all the necessary military improvements to the Agra fort should be devised so as to provements in the Agra interfere as little as possible with the architecture of the walls tost, and buildings, and the Inspector-General of Military Works, Colonel Innes, V.C., R.E., has directed attention to this point. He has also ordered the carved pillars and walls of Akbar's palace at Allahabad, now used as an arsenal store, to be freed of whitewash.

Sarnath Tope An estimate has recently been sanctioned for repairs to

the Dhamek Stupa at Samath near Benares.

Important works still to be undertaken in the N.-W. P.

A great deal of important work remains untouched in the North-Western Provinces, as, for instance, the ancient Muhammadan brick buildings at Budaun, some remarkable Hindu temples in the Banda district, the Chini-ka-roja at Agra, and some most singular brick and terra-cotta temples at Bhitargaon near Cawnpore. Nothing whatever has been done in Oudh.

Custral Pro-

19. Appendix L, contains a note on the buildings of interest on the island in the Narbadda river at Mandhatta. This is the only place I have had time to visit in the Central Provinces. A complete survey has been made of the island, also plans, &c., of the three principal temples on it, i.e.,—

The Siddeswar Mahadeva. Omkar temple. Somnath Gauri.

Besides these there are on the south bank of the river the temples to Vishnu and Mamleswar, both of which have been measured. The Siddeswar Mahadeva is unique in plan and ornament, and requires attention, being in a very rained condition. My plans and notes with suggestions for repairs will be soon ready for submission to the Chief Commissioner, who will, I hope, depute an engineer to do what is requisite. I hope to gradually visit and have surveyed all the more important monuments of the Central Provinces.

Places not yet

20. Appendix M, gives a list of Provinces and Native

States not yet visited.

Haiderabad.

21. Appendix N, refers to Haiderabad, Deccan, and describes what the Government of His Highness the Nizam has ordered to be carried out at Kalburgah, or has in contemplation with regard to the great mosque and historical tombs of that town. Kalburgah is the only place of interest I have been able to visit in Haiderabad.

List of forts.

22. Appendix O, furnishes a list of some of the ancient forts and citadels in the various Indian administrative areas.

Plans and Blustrations.

23. In conclusion, I beg to submit some observations in regard to the question of surveys and illustrations of monuments. The only way of securing attention to disrepair and neglect in important monuments, in the use and charge of native princes or native communities, is by careful surveys with specifications of what is requisite. It is in fact an economical way of getting work done in many parts of the empire. Plans and drawings are necessary for important projects un-

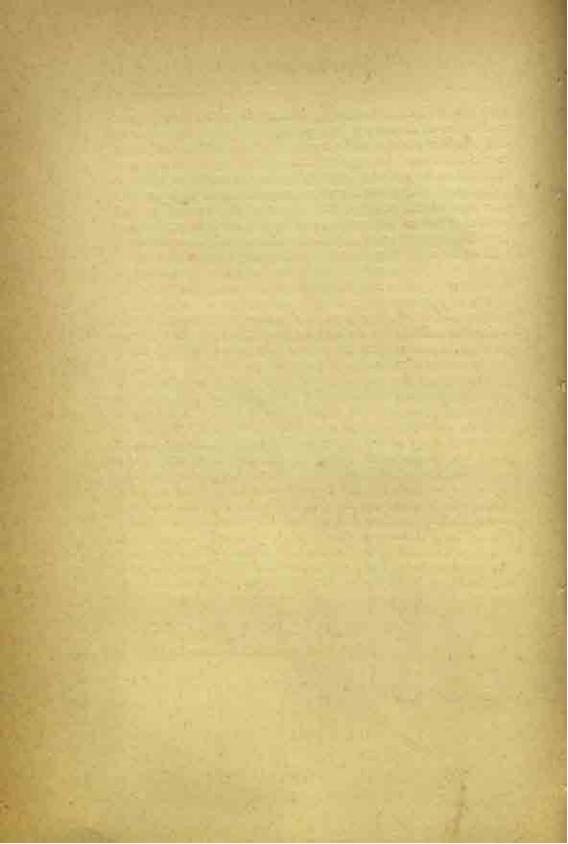
dertaken in British territory; without them no reliable estimates can be drawn out for repairs, and by no other means can errors in restoration be avoided. But besides the monuments that can be repaired or attended to, there are some that either the native owners will refuse to touch or allow to be touched, others that are so inaccessible as to be beyond the compass of the scheme, and others of the second or third rank that are so numerous as to be beyond the expenditure that Government can sanction. Plans and illustrations of such classes of monuments are the only records that can be preserved. A record of all styles of Indian architectural buildings by plans and drawings on an intelligible scale can be the only means of reviving a knowledge of Indian architecture and art. At present if a native chief or gentleman wishes to build in the style of his forefathers, he has to rely on what is preserved in the brain of his native builder. There are no works of reference of practical use.

As regards decorative art for rendering Indian manufactures popular and for increasing their demand, the most important of all sources for new designs is native architecture, with its marvellous elaboration and variety. At present the untrained fancy of the artisan is the usual guide for modern work, and is too often corrupted by uneducated attempts to reproduce and adapt European patterns. I beg to suggest that my office be commissioned to prepare a work to be issued in parts, which, when complete, will illustrate in chronological order the architecture and art of the Buddhists, Hindus, Fains, and Muhammadans. Major-General Cunningham, Director General of the Archæological Survey, has suggested the joint production of a volume on the "Buddhist Sculptures of Gandhara," and this might, with propriety, form one of the

series.

H. H. COLE, Major, R.E., Curator of Ancient Monuments in India.

September 1883.



Appendix A.

Lists of some Principal and other Native Architectural Buildings in Bengal, N.-W. Provinces and Oudh, Punyab. Kashmir, Rajputana, Central India, Central Provinces, Haiderabad, Maisur, Burma, Madrus, and Bombay. (Retrised and added to.)

Bengal.

Some Principal Ancient and other Native Architectural Buildings in the Lower Provinces of Bengal.

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Drawings or	None	None.	Neite.	None	Nome
Photographs.	None	#	None None	None	Nom
Restoration	ž ,		olingilizadi S. S.		Special foresti: None gatina mone- sary.
Perincryation, 1	INTROWAN DIVISION, To the efficial that some 24 observed over demonstrate, the bomb of Controlly desirable. Said to be take.	Fair, list overgrows	Grenton with we-		-
Cuttody.	BURDWAN DIVISION Let amer 34 objects of cutes Controlly desirable . Said		Ditta	Ditto .	FRESIDENCY DIVISION. for the effected list was a solution of interest are described by the bridge. Case of desirable to the task that the last that the las
General character.	Tomb of Bahram at Bordenar, Bulk too years ago; the found of Custody desirable. Said to be this land, of New Jahran, and Sakkur.	Brick and terra-cotta buildings ;	Tought is Gesting in the wety organizated. Militague Descript. Shelangach, in the Midnapar A fort duting 1490 A.D., with two District.	Minarch at Pandanh, in the Atower, probably of victory, med Mugh District.	Handa Temple, Jattar Doul, at A. appriment of very line bridge. Castody desirable Dammed Harbour, a.s-Par- grammin Harbour, a.s-Par- grammin.
Name of Solicing or group of buildings.	Youth of Bahram at Burderang Shir Algibar, the Brat has band of Nate Jahan, said to be buried bore.	Sistemper Temples,in the Ban- kurs, District, The so-called " Five Levellad"	Tought at Goillur, in the Midnapur Detrict. Klickargarh, in the Midnapur District.	Minutels at Penduals, in the Hegh District.	Hinds Temple, Jattar Ded, at Dammel Harberr, as-Por- grentales

Bengal-contd.

Principal Ancient and Architectural Buildings, Sec-contd.

Name of building or group of	General characters.	Castody	Proservation.	Restriction.	Photographs	Deswings or plans.
The fat Gentless, or Sixty Donnes at Bagardat, in the Jenur District.	The fat Genthan, or Sixty A massive brick building this The inside is kept Doors, at Bagardat, in the Short 1458 A.D.; built by man, who grass Jesus District.	PRESIDENCY DIVISION—continued. the by are to cortect the man where great the man where great the man where great the man where great the man open from pill- covered will	Continued. The manory is fair order order. The matter or the service face at the rest to the service order or or	Cresion	Notes	Nessee
Pt All's Tomb at Bagarbat, In the Jerson District.	Date about 1455 A.D.	fakirs, who hold yet before of hard in the the service of the the place information on year, and an action of the place information only ancient grant.	Repairs wanted	milagizamni la	all ox	į
Temple of Krishna at Mulians- prasper, in the June Dis- roct.	An etaborate building with tracery and invra-cetta contamont; data 1703.	Centrally probably desirable.	Signs of decay are shawing.	padg	None	Wolf.
Mathers of Mushed Kali Klan, the founder of Mur- shodabad.	A building of good erected in the file-ti- thed Kull Nhm. Of Freq. (23) out of Hand, temples down purpose.	Supposed to be hobert after by the Names Name.		1	None	Notes
The state of the Paris	RAJSHAIT In the official	RAJSHAIIVE AND COOCH REHAR DIVISIONS. In the official list name of objects of interest are described. Cone. Cantody desirable - The piller is will	HAR DIVISIONS. Internal my described The piller is still		/ Name	- None.
Two Mehammadan Shrimes at The report calls Deblard Deblack, in the Diragopus Mehammadan capital o Durick.	A SEE	office	Deserved to be put-	Aremone o	Nooo	None
Muhammadan Tombust Burn- talad, called Barn-adedlo, in the Dungepur Buttett.	<	Ditto	Much anglected	noltegitmoni.	Nome	None

Norm. See Ferry page 467. Derails would be visited for the see of	Nom.		Notio	None.	Nines.	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Nam Has here plate- graphed.	Nome		Nome	Nom	Nom.	None known .
letange				i malangi s		The aspediency of controllers of con
Surrounded by Jun- gle and saling, sou dears. Preservation desir- able; a said to be kept, in repair by the family of the late Rapis of Di- marrant.	Pale	SION.	In the efficial list name 36 objects of interest are described. ly carved . Contody successing . The report mays if	in and	Pwentysia: yents ago Threatened with rain uned for worthin, but now abandoned for a more medern building close by.	BHAGALPUR DIVISION. In the efficient list point as abjects of interest are described. It you will not be a specified of the properties of the properties of the being of cartable. It is being the bride of cartable of the being for according to the bride.
Diffe	Ditto	DACCA DIVISION	at list some 36 objects Centody smooming .	Ditte	Neutrinia years ago med for weathin, but now abandoned for a moter modern building close by.	BHAGALPUR DIVISION. Int most & abjects of interns are a Company meeting . Fair promess Not learns, worthy Worthy of the costage.
Female dating from 1243 A.D., with correct facts and terra-corra transment. Finished in 1723 a thick build- ing covered with terra-cidit.	The most complencia vuln is the district, built of very deradic brick; began 50 years ago.		Socially I Tomb of Chiased. The masonry beautifully carved. Centody successing. The report mys it discusses in the Baca Dates.	A modern morque, 1568 A.D., with pinnades of fluxed pottery.	Date 1570 A.D.; of red brick with carved stone-work imide and carved brick (torns-cotta f).	A steen building; 1 built make trigger and from the congression of the
Temple of Gopal as Gopal- grange, in the Disagram Discrete. Temple at Kantonagar, 12 miles from Disagram.	Tompie of Stva. at. Julgesh, in the Julgal, art Dashiek.		Socialist Temb of Chiasoud- die at Soungame in the Davis District	Sque at So- Daza Dis-	Old Mongan as Genidi at Se- margoon, in the Datest Dis- triet.	The Kinjeki Majik, or gulder moretre. 41 Gans, Maldah Durnet. Moretre calculate Kalem Rap- tal at Gans.

Bengal-confd.

Principal Amires and Architectural Busiangs, Oct.	Genius character. Castody. Posstration Remarken Photographs Dept.	BRACALPUR DIVISION—countriesed.	Watta describe of vegetation or will tunible down.	Ditto Presupation spenis	The glass is hold in-	Castody desirable . Relient	the of the Bengal-Pathan. None Notice	ta thad condition	CHITTAGONG DIVISION. In the afficial lite same O objects of interest wee described. No halling which appears of special interest.	PATNA DIVISION.
Principal Americal and Architectura	Guideril character. Gastody.	BRAGALPUR DIVISION	According to Fergussem, a pillar Costody desirable of Victory 1 date 150-15 A.D.	Remains of a fine stone building; Ditto		house, in which are collected tiltah. Reacted A.D. 13/8-57, much de- Castody desirable . constraint eitherlies and covernments.	strong as the terms and reference of the Bengalis Ditto	Abulding Huilt lo A.D. Ditto.	CHITTAGONG, DO On the official fee same O objects of No building which appears of	PATNA DIVISI
	Name of Building to group of		Miner at Gare	The Golden Mosque at Gaur . R.	Ketth Shab's Graveyard at An endonine containing many Pressar or Emduals, in the Soute, and Kettil's, denling	On Adiant Mayld and Tomb R	Mannet Pandonli, Maldalli.			

See Coming-		See Cunings har, Pergusent and Rajontha Lella Mirra.	See Pergunan and Cumings ham	Nune known of None known at.	Ditta		See Pergussia.	None huowar of None known of
None	Photograph ed by Mr. Beg- lar.	Has been pho- tographed by Mr. Boglen, Executive En- guere,		None known of	Data	Has been plot- lographed.	Has been plutte- fran beel by Mr. Begins Framtive fin- gibeer.	None huown: of
Ditto	1		1	1000	ŧ	1		Mr. Begine has prepared a cough referate for repairs
Ruins .		Har how complete- ty-restored as a con- of some R. B. con- pleted (1983).	Cool 1	Ruins	The temple aufline year by year by year from rain, and will seen by a mass of rain binh it authing in come.	Requires could re-	An ealthmate for ro- finite. Authorized from proposed and the markets to progress under Mr. Begins.	Ruins
Castody dominitie	Ī	Currely desirable		Cuttody dostrable . Rains	Custody desirable	Is in councily	li in entody 1.	Dirte
Raint of Raigit in Rober rate. Buddhist rotes of Rayarding, the Costody desirable . Ruins dynaso, in the Vansa District. ancient capital of Magnellia.	Since of these are most valiable, but out of these where they are and alread by its Calcutta	This is a fine and most interest- ing stresh findling; masses of carried dimento be found around. The folion of date first century B.C.	The caves are curved in the gran- ite reak, and vary in age from are to 200 MA. I showng there, the celebrated "Klaims the- part," the "Souteme," and "Lourse Right" caves.	Extensive mounts thought pre- sent village; also annual transple with a standing figure of Had- filment.	Mounts and Bodilist figure scattered about; also a large temple with brantful moulded bridge.	An extensional stone building of Is in custody considerable merit.	A fire old Pathan tempt; about 1839 A.D. One of the frant specimens of Pathan art in Den- gal.	Shir Shah, captured this fortream at 13th A.D.; Man Single, Vice-roy of Dengol, sureful all the ballings now extering in A.D.; (153).
Rains of Raigir in Robus sub- division, in the Patus District.	Soutstures of all kinds (Brah- numed and Budding) col- lected by Mc. Breadley at Bobar.	Greek Buddhild Temple at Buddha Gyn, in the Gyn District.	Buddhist Tomple and Caves in the Rarshav Hills in Jahr- nahad sub-division, Cya Div- Inct.	Rubblist remains at Dhartweit, north of the Barahar Illin, is the Gyn District.	Romains at Konch, in the Gya.	Tomb of Hundin Khink, father of Shr Shah.	Size Sind's Frank of Sam- rum, in the Samadual Div- tries.	Rains and Buildings at Footige First, in the Sunkalust Dis- treet.

Bengal-contd.

Principal Ancient and Architectural Buildings, Cre-contd.

Drawings or	Canning ham, and Kitton	See Frequence and Cumings ham.		Note known.	-	See Fergusson and Babs Ra- femira Latta Mitra.	See Baba Rajeredera La La La Mara's book	See Batu Rajender Links, Autopal- ters in Orient
Protestrapine	Note known th S. Forgamin, Canning its min	Ditto	Photographed by Mr. Beglaz.	Has been plotte- graphed. See Ferguson.	- 1966	Has been photos graphed. See Fergusson,	Has been photos graphed.	Ditto.
Restoration	ī	1	1	ile:	MWCHUGHION.	low far femore or	tion of on m po at require	tine off factors factors indegra factors
i i	40	9	earrith					
Presectation.			Tall I					
Press	The section of the se	Rulim	German	4	Ė	Patr	連	4
	10		SION -	Tar.	-		- 4	4
Custody.	PATNA DIVISION—continued. Since 193, Englishe Good near have cut their names on the pil- lary as in the posit- yard of a Stab- nam's learns.	Cuspety dwinstille .	ORISSA DIVISION. In the afficial list same as objects of interest are described, their constitutions.	Controlly desirable		. Used for worship, &c.	Used for worthip	Contody scenes de Pale sirable,
General character.	The pillar is a monolith with carried from capital, butty above ground about 30 for date about 350 B.C.	There is a fine lies piller at Lau- rie Ararah, 15 miles from Bet- tish.	A bealing with beautifully carved	A grave column about 22 feet Castedy desirable a Garada, supported artifaction a Garada, which len half a mile off.	Have been imperfectly explored.	Built 1195 A.D.	Date about 512 A.D. 1 a very eta- Used for worship better Hindu temple.	Date about \$23 A.D. (there are various theories as to date); a very alaborately carred Hindus building.
Name of building or group of Buildings.	Thin Singl's Lat, or Edict Ph. Lay of Asilm mar Saya, 18 miles southewest of Marafiar- pur.	Righlin Mounds and Edist Fillers in the during of Champaran.	Temple at Chandesvar.	Hindu Fillar at Chenderson- Japan, in the Cuttack Div- tord.	Boddhist remains in the Alti	Temple of Jacanth at Purt, in the Puri District.	Genal Temple at Bhuranouscar, in the Puri Baired.	The Hark Pagods or Kanarith at Kanarals, in the Port Dis- tict.

CHOTA NACPORE DIVISION.

Justin afficial list some or objects of interest are described,

	T	Nome	Name	See Fergusten.
Photographed by Mr. Beglac.	Mr. Begfar, has taken photo- graphs.	None	Nome	, more
1	1	1		1
***	***************************************	Ruine	Rain; the river Da- muda is washing the bandings away.	#
the such than- the such has- riously ranted are enting in Hard Detrice.		Apparently none .		2000
Small square structures with sakes. The printies and bear-ments are very currously transtol with twisted pillars senting in surall capitals with Hada Deline.	Brick and Terra-Cotta Temples Some of the brick work is vary at Para, in the Manihum good,	Fort and Palace of the Parishin. Ruins, temples, towers, &c., of Apparently nose . Rains Rajahs at Packets, Man- instance and terre-cotts such.	Jain Temples at Tekenpy, Mane Stone temples, with elaborate binam.	A place of Jain Pilgetonage.
Temples at Bankar	Brick and Terra-Cotta Templas at Para, in the Manthum District,	Fort and Palace of the Parities Rajabs at Packets, Man- tahum,	Jain Temples at Teleupy, Man- bhum,	Jain Temples at Parimeth, A place of Jain Phycomage.

1 N.B .- The named Volture of Vishma,

N.-W. P. and Oudh.

Some Principal Ancient and other Native Architectural Buildings in the North-Western Provinces and Oudh.

Drawings or 1000 Photographs, -----Restoration In an efficial list of 1875, 157 objects of interest are mentioned, Sald in 1808 to be in montanaeud pool Preservation, Custody. A Stone bearing des of Aside's Is in a good thate of preservation; one reptions at Huncipor, near the the inacryption is comenhat Kala, Delits Don Duttat. Large Figure of Building and Is an object of devotion; products home at Paradiat, Marqueri ed by a Hindu Temple, General character, Name of building or group of buildings.

N. W.-P. and Oudh-contil.

Principal Ancient and Architectural Buildings, Orc .- contd.

						F-AC
Drawings or plans.	4		Vol. 1.	Has been photo- See Camingland graphed and Forgusten.	None	Illustrations of the brick work would be valu- able
Phytographa				Hau been plinto- graphed.	Worth plants None, graphy.	Worth photo- graphy.
Restimation	1				A return of 1833 states that the choicers that the right and lott cright and l	the building.
Promyation				An estimate for re- pairs has been tandloned.	Mr. Colvin, Limiture an red over mor, gave Ra, you tur e.g. gal ive. Well worth preserving. Should be repaired.	
Currody,	- Care	7	able.	Ditter	Custody desirable	is in custody .
General character.	The capital of one of Anola's edict	Commercof three separate shrines arranged commer a central one which to an arranged commercial or way deeply carried.	The remains of laterest are—the called Reng Markal, the lamb politics of the old politics of the lamb politics of the Markal of Markham Lithanger, and Hunder actions in the village of South Warners in the village of South Warners one mountains coursely with broken being carriers of with broken being carriers with broken	-	A fine specimen of Ghori Pathan Custody desirable building : A.D. 1225.	This is a structure of some informat is in custody a built by Stanna-ad-ding 1200
Name of bolding or group of	Same (Suplement and Capital as Same-a, First Deliver.	A Temple at Majarbal, two miles from Kalmai, two maccine-and of hands on the read to Mahoba.	Round Cty of Knawlji for- merly the Hindu rapital of Northern India.	Danishing Tree of Sarnath,	Jami Masfid at Balaum .	Algals at Badaum

_	_	_	_	100		-		1010000			
Minitrations would be yahr- able.	Ditto	***	****	Live Control	Soc Fergusion.	1	See Fergunon.	See Fecquinon and Buildings near Agra by Colu.	See Furguissen.	***************************************	-
Ditto .	Ditto	Has been plotte- graphed.	-	Several photo- grapiu taken.	Ditto	Ditte	Ditte.	Ditto		1	Not phetographed
	1	1	-	ĺ			I		The remount of while was a fear the inter-		-
-	Requires clouring and small require.	Was remired in 1856 by Government,							111111	Should be provented from ruin.	Thereto
In cratedy	1	Now In castady of Was repaired in (5)6 Hindus.	Requires investiga- tion.	Repairs committeed.		Drawings have		Company Drain	Now und he an ac-		Should be fanced in
att Highly descritted with beich work, In crattedy distract from the time of the Silvandre Lodin.	is built of atome, parts of which are elaborately carreit.	A stone colonnaste of eculpined pillum, coded-over by Astrangalls to serve as a most us.	Stated on a throne with lices and edges, and states.	Fine manayer buildings; one to Repairs commenced too A.D.	Later A.D.; a grand and mas- ave building of the Jacopur- Pathen type.	Very ormits and boauting the finest Jatenper Pathan building.	This is the smallest of the missions in the mission and in the mission style,	A beautiful collastion of traditings of a subset Hinds and Muham- madati style.		the A building of the later Mogul.	A samiltone column of the Copta. Should be found in period with merupition.
Touth of Chimit Khan at Badaun.	Daja's Paluce at Stimger, in Control, said to due 1555 A.D.	Converted Temple at Malaban, dating from the 19th one tory, called the Chieffel Palm.	Sculptured figure of Buildin at Paledhut, 3, subse surth of Meaninhad, Marapari Dis- trict.	Fain and other temples at Ma-	Fami Maifid of Launbur .	The Mula Mergin at Jourgue	Lall Darmens Marque, Janes.	Ather's Police at Patchase- Sters now Agra-	Hall be the Palars at Allah. Built is Althur's time .	Patestpire-M Masjid - sent the	Monthly at Birs, Chargent Datest.

N.-W. P. and Oudh-soutd.

Principal Ancient and Architectural Buildings, Occ-contd.

			2250					-	_	-
Drawings or	THE STATE OF THE S	See Pergraps	And come	1	0		Soe Ferrussell.	Well drawn.		
- Total Control	Photographs	Has been plo- tographed.		Has been photo- graphed.	potential	and the state of t	tographed.			
To Commercial Control	Hestoration.		treat, sell strovit, enois sell serverit emerate berm	reball not torit	on, Meeth-	inining for	Archaelogi Proeince. Iranénge.	ndt val mysteri mysteri	_	
	Premeration			Has been required by Mr. Heath.		Į.				Said in 1956 to he heart in mpart by the learn of Slash Abdul Rearns.
	Custidy.	Has been sleared and planeaghty repaired.	Han been restored by Generalization of the Native principal, and the next to find the next to be ne	table	Hays been deuted of the libabitants and regained by Mr. Heath.	Has been restored; the surrounding walls and gute- mys are in houd.	As almost complete- by spacested. The Samuelle gutes re- quire attention.	Has been somfliette ly vestored.	except the freeze	1
The state of the s	Genoral character.	0.000	Emeted in 1933-1615 A.D. 1 is re- markable building; being a mit- tuce of Hindu and Muhamma- dan art.	A good specimen of early seven- touch century Mogul architec- tore.	Good sperium of the architec- ture of Shahjahan's time.	A very beautiful manadeum	Contains fine buildings of Jahan- gic and Shah Jahan.	A beauthld markle tomb of Shah Jahan and his wife.	Rails in the regre of Janamyr, A.D. 1605-28 a beautiful build- leg of marchit and mosaice.	In a hundrome structure, built of game not hock, and here colour- ed tile dome.
	Name of building or group of	Chang mear	Hindra Zemple, at Bindrahms, It	Torel of Chwais Aithar Klan, sar Shanfra, Agra-	Tombs of Sadik Khan and Salaha Khan, mar Sikare dra, Agra.	Midne's Tomb at Sibanées	Security Ages	Tof Mahet	Tomb of Hennish Demish at Agra.	Tuck of Shafi Abdul Burrak at Junjham, Muraffarusgar District.

				1	1		See Cuming- ham,		Views, and Verguinon	7
1	E.	1		1	P	Has been plot togniphed	100			graphed.
		***				1	*****	1	1	1
Underregation by the Musiconnadate com- mantity, but not well done,	1	Should be removed to the Provincial Museum.	Was parily destroy- ed by Automorph and repaired by the Raja Jai Singh of Jatjue.	-	Used to be repaired by Government before the Muting.	Kept in repair by the Malaraja of Bennets.	Much rained and de- laced.	9		Harbeen partially re- paired by the Mula- shad Monicipality.
	Worthy of castody and preservation,	1111	Worthy of custody +		1		Custody desirable	. In see by the Beab- mans.	line .	In use at a public grades.
This menges was built too years upo, sours it once stood an aminet minar erected in 1253 AB. select, after the Muthry, was pulled down for municipal importaments.	Bulk by Glodam Nobbi, Governor of Mattra, 1000 A.D., 14 central building with four hardsome minacets with coloured life work.	These valuable ecuptures should be more accomine for impec- tion.	A carred building of red and- stone, built gre years age by Raja Hisaysan Dans of Multan	Bullt some yo years ago; said to be a very remarkable specimen of realers demantic native art.	A handsome building, said to be well worth preservings	A handsome temple, begins about the years and, completed by the present. Way, of Henrich I as observed with handsome has reliefle.	Of Aurment's time; a mano-	About 130 years old	A modern stone building	A garden with the tends of it use at a public Hatbourpardillyre-Khinesi, his mother and sister garden. Chinesis, by prival).
Masjid in the old City of Kost, August District.	Meaque of Nutbi Sakib in the market place, Mutra-	Scriptures, nearly Buddhiet, to the Massum at Mutter.	Temple of Hardcoll at Gour- dhum.	Zazaladach House in Labboora near Shekotabad, Mampuri District.	Jami Masjid in Pilibilt, Ba- relly District.	The Someri temple at Hanua- cur, in the Benara District.	Chini-ha-Rota at Agra	Temple of Vulneshwar at Benares,	Glauda Chat, Bensree	Klumra Bagh at Allahabad

N.W. P. and Oudh-confil.

Principal Ancient and Architectural Buildings, Sec-contd.

Drawings or plans.	See Vol. X, Ar- charlogical Reports.				18		Archeelogial Reports	
Photographs		440	The figures Not photograph- placed on the top-	Not photograph-			Has been pho- regraphed by Mr. Beglar.	9
Remoration.		Ī	The figures should be ever placed on the top-		i.			
Preservations						Any exhibit first ments should be removed to a Mis-	Wall worth preserva- tion. General Can sing ban removed some pieces of ter- racotta.	
Custody.		S. James	1		b	1	THE STATE OF THE S	
General character.	The equate pillars forming Toran gatesarys should be obtained from the Baja of Bara for depend to a Maseum.	Was removed by Dr. Bhassing to Bondary, and in mee in gomet- sing of last latte. Stoold its re- cavered to the North-Western Frontiers Massims.	near Has a capital and is 56 feet high. The figures which surmounted the piles are on the greened.	A number of enred stone and sodpure might be removed to a Manual.	This is worth exploration; some pottery, turns-cotta, and sultp- turns have bleet found.	General Camingham focus tru- surema, torre-cottas here in nouseda.	The one large temple dates 4th or fifth Centrary, A.D., and the covered with panels of terrescent with panels of terrescent or communing Brahmmerl subjects.	Drick acritor are send inside.
Name of building or prinap of	High carced stone of the Grapt period in the Vort of Grapt period in the Vort of Grabes, so rails south-west of Allahatad.	Capital of the Indo-Scytling period becoudy at Mattra.	Audin Column at Hathe sear Zummilals, Charper Dis- tret.	Remains of a Hindu tumple at Distantagine, Gineripur Dis- trict.	Rains of an ancient City at Uheira may Palla in Khuri District, Oudh.	Fragment of a. Hindu tempin at Norwal sear the Gangree, Campure Datasi.	Bhitargaea, so mha math et Caempeer, Pargaia, Sark, Salempeer,	

Punjab.

Some Principal Ancient and other Native Architectural Buildings in the Punjab.

			E WAS CARD	200	F. 2444
Diamings of plant.	See Fregumen and Commitge ham	Dremite made to my effect— II. II. C.	Many profess in Forger and Party Inc. Many Many Many Many Many Many Many Many	tographed, Demokratic in my solitor, philograph of Demokratic in the Shepherd, Shepherd,	See Committee Honey Vote W Date 114 and processy promite the valuable.
Photographs.	Photographed in Shuphed and others. Also see a state of the country of the country of the country of the	Ne photographs known to essist,	Some photo- graphs hy Source and Shepherd.	Has been phe- lographed. Phutograp & ed by Hourne and Shepherd.	
Restoration	Rupairs shout, to be under- ratem		I.	1 1	Probably desir- able.
Preservation.	T. The Kutch Minus is fairly personnel; after withings require attention; and it is go about the control of the	New President free perstand and the fand and mount rejured.	Very survisibility from servestons in many cases med delifer- ble.	Will be repaired to	_
Cuitodyi	DELHH DISTRUCT. In the official list some at familitings are denotified. Minus important. In mot known when Tank Markey of Greeky preserved adams one at heightings is of a contract and the superstanding character and the superstanding of t	Cuntody dorinable	Ditto	Systematic custody desiratio,	Ditto
General character.	The the effects The the effects set, being the most important mark of the Muhammadan son- quest of twile 2.5 shasted about 13 miles from Delin.	Decorated in a tennified and singu- iar way with estoured uncaustic tiles; date 1535 A.D.	Culeily Pathan and Mogni.	Atlan Kangas in Paranto One of the front buildings of the Kila, Palls. Shir Shak's time. Shir Shak's time. Shir Shak's time. Harty specimen of Moyal archi. Systematic custody. Learner, 1534, 8.19., in market.	
Name of building or group of	Position at the Entlant, name Dollar	Treat of Meules Sessalt Kin- matt, war Diffe, in the mathemat of the Metenity	Hanns of the Kurub. Ramed Tombs and buildings around Decids.	Kilas-Kana Reigas in Parana Kila, Phila. Hamayan's Tend, near Delis	Charmeth Klamfu, a tumb 3 mins from Delivir date free A.D.

Punjab—contd. Principal Ancient and Architectural Buildings, &c.—cantd.

Name of hallflag or group of buildings.	General character-	Cistody	Preservation.	Restmation.	Photographis	Drawings or plant.
Sums Meadill in Delhi's Jaco	DELIHI DISTRICT—contrine till in In custody of the Sigely waste.	DELHI DISTRICT—confluence, a In custody of the Silght Mattanmed an semical priori.	Stight repairs		Photograph of Bustrated by Bourne and Fergus Shepherd.	Huntrated in Fecgus none Architecture.
Asoka's Effan, on the ridge in the cord station, Delhi.	A Baddhist Laty about 300 B.C.	Systematic mutody desirable,	Recently set op (1875).	op Unnounty .	None known .	None known.
Zinat-o-Marjid	A mompet with tomber data A.D.	Į.		100	Ditto	Ditto.
Patriguet Maritt.	Mayne at and of the Chanfiel from Chant	france	Repairs and im- presentation com- menced.	1		
Pulsee in the First at Delhis date about 15 M A.D.	start by Start Jahan. The De- wan Khisti richly consummed with meant on white market, and a patent ceime, other huldency, and as that Met Mar- jel and King's Rath, are highly consuccessful and full of interest.	la charge of the Me- litary Works Do- partment. Build- ings requiring re- parate medicover is the Ancient Monument sub-	Rejules have began and still be than engably curried put.	1	Bourne and Shepherd have photographs	Plans and to be in the Military See also For- green, Dien- ing, in say office—H.H.C.
Jaina Temple in Della	Built in the beginning of the pre- ment or end of the last century; singular for its beauty and orea- ment.	th me			Ditto	Datalla of the attractors would be interesting. See Ferguston.
Lal and Rain Domes, went the fills at Schoo, about 4 mile from the Town of Gurgnen	Buildings known as the Mack domes; they are ed with scalebures at puted to have been Khanzailati; date mil	Ju the afficial list name at ballishings are described. out and controls of ballishings interested interested at me. India to nown.	RICE. Cogs. are dourided. Diapitated; inform- ation wanted.	1	None	Notice.
Katub Khan, in the hemdary of the Your of Gurgabin.	Adonal helding of chums and where built by Kutth Klars, Klautania, Massishiar of the Emperor, about 400 years ago.	The bitabilizate of Solice use it at a cardisciped,	Dispidated; is head- some and should and be allowed to domy further.	1	None	None

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None	None	None				ni Z	None.	Notes	. Naw
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147	6	G I		5	2	50	- 21		
N. N.	None	Nome	None	Noun	None	None	Į.	None	No.
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					721	+	-		2
Dispidited t. the family disserves con- taing from decay.	4		2		191			100	8
stapitatoit, the tonth disserves ere tonny from decay.	A ==	5						feren	2
344	2	*			5	1	.5	20	2
The state of	lood	Good	走	Con	Gleen	Tale .	臣	ICT.	Good
	Used by Infinitetity; Good mode of carticity unknown.	Osed for worship	Ditto	the halt need for bathing; m. m- formation about centody.	Used for worship; nainformation as to controlly.	A takir lives in the shrine 1 no 1984; custody known.	ned for worship.	KARNAL DISTRICT. **Ait a Sacret place of Mar Good (le town harmines no in- culptured formation at to tase East. by Yorky, a sody.	Sacred Muhammad- as place; no lu- formation actions- tody.
Not				(E)	-		od Un	4 4 5 7 1 E	S
A excepto and touch in channal Not med and yet stone; the tomb has a handener frails screen, built by Navab Alivardi Khan about to years ago.	The old buildings are said to be a shoneand years; the smoother dates from Shah Alam.	Built by the Nawab of the place in the regra of Mchammad Shah, 1353-54 A.D.; decombed with varvings.	A building of charen and stone with coloured frescous, about 724	The chattri is of chunan and stone, and is decorated with analytere.	A building of chusam and stone with coloured decorations; built too years ago.	A momentum, 40 feet suppers, of stone and changes, with orner mental carriers; built 275 years	<	A manouncy editoroun grounger and toughtain that it so markle with decoration. It was Glyss-ud-dim, Empor-	A.D.). Described with marble times, date tjug A.D.
Alivardi Mosque, 5 miles from the Tahaii Corgane.	Sohna Mosque, near which are two but and cold springs.	Town of Farakinagar.	Healts Temple at Silt Sali, the males from Tabell Palwal.	Multer Tank and Chutter at Chutsiwals.	Mosque at Mulab	Muhammadan Sume in me- mory of Allah Yar Khan in	Jami Marjul, in the Town of	Temb mar Karral, on the Trent Fond, cultid Durgals Kalandar Salilla.	Muhammadan Tombs in the city of Pangas.

Principal Ancient and Architectural Building

1	5		Down					4		
-	Deswing Or plans	Nome.	Nome.	Notes,	None.	None.	None	None.	Nome.	News
	Photographis	8	6		. 1		14			
4	Photol	None	None	None	None	Nome	None	None	None	Nome
-contro	Restoration	I	1		1		1991	ì	1	ì
a crassing and a contract of	Princevation	Weitened. The guiden has dis- superand i the manager requires	Requires repair	T. Note described. Pale	1	Said to be much anglested.	- 12	* 二 · 查	Pair	idings are described.
	Cistody	KARNAL DISTRICT—muthused, est. Not known . Dis grad to monthly manufacture registra	Not known	HISSAR DISTRICT. In the official list some ye buildings are described, print oft Ched for worthly no Pair differential at 10	Ditto .	Openpied as a resi Said to be dense by the Dr. anglected, puty Commissioner.	No information as to contolly.	Not occupied; no information as to custody.	Used for benefity; no jatemention as to custody,	ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST THE ST
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Name of Indifferent of course of		Rahul Bagh, 7 mile from Panis.	Magne of Shalth Tynt, in-	Real Mariel, in the Town of	Morque mar Hisar in the	Tomb near Banne	Daris Dayman, one of the gains of Heart	Dameil Shrine at Tohana	Monque in Tokans	Syun tombs at finglise .

Akampiri Monqua at Badii — Actoo building research by An Libral for weighting Needs repairs — None — None — None — None — SIRSA DISTRICT. To the official its some a building are described. SIRSA DISTRICT. To the official its some a building are described. Some of Sinables There are no statement and the official some to building are described. A solid material for the official some to building are described. A solid material to the official solid some to building are described. A solid material to the official solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid									· v
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hampter stongle outside the scorn of Hissar. Ohmmadan Torde, 12 miles west of Shahabad Thana. Managar of the Oil Fort of Thanasar. Thanasar, of the Oil Fort of Thanasar, of Managar of Universes, at miles from Jagadet. In Mahammadan Hease, at thurs, a miles from Jagadet. In Mahammadan Hease, at thurs, a miles from Jagadet. Temple standing to water.	A stone building erroted by Au- 1 congrib Alanger, about your age.	A phatered brick building with 1 coloured transmers; about 500 years rid by reputs.	A.D.; is the tomb of S and of an architect	A.D. makenry buildings 1400	Solid sementry building; a good section of Malmentalian ar- chitecture; 1400 A.D.	Solid manoury 1 date 1400 A.D.		Very ancient, built of th	Many sory picturesque and curricus weaden decrise or Hindu femples southy of phatography, discription and presentation
2 2 2 0 2 0 ±	ught Mosque at Italii	Hody Temple outsite the town of Hissac.	E 4		Fort al		_	Digers Mandal at Physes, a Temple standing in water.	Hill Temples

Principal Ancient and Architectural Buildings, &c.-contd.

Name of housting or group of buildings	General character,	Controlly,	Promostimo	Restoration.	Photographs	Desprings or
Magne and Tomb at Light-	A plantered frick built interior coloured durant general to have been builting of Alampir by Miles of Alampir by buried there.	In the effects like arms as buildings are destribed that may be buildings are destribed that wouldness to Good the top technicalism as to the graphity. Shalish hervarish	e deurobad.	. Unicomity .	Nome	None
Maktan Shah Diwan, a Tomb i mile to the west of the Town of Triangh.	A plantered brieft building said in have been exerted in the time of Akhar.	Nom lumber of a Rains grant of the highest of hand said to have been made over by Government for its trillinton over	Rollin	1	Nom	Nime
Manjid. Shalib Darwich, a. Truth and Mosque in Sard Shalith.	A beick building built by Shallah Darwash, who came from Ke- bul in 1605 A.H.; a Pathan ettracture.	for the effected list name at buildings are described, by Shalls Unit are mongary. In tolerable noder, from Kes are information as build now repaired a Pathan	RICT. ye are described, In tolerable noder but it me repured egularly will soon give way.	1	None .	None
Servit, or Pennshing Real-	A brieft building coletrated for the boundfully carved gate. Nor Jahrer, wife St. Jahlenger, build this seem to conference, build	Taxonia .	The Principal Gate- way has been co- patred by Mr. Har- ington, Executive Engineer,	****	Photographicand drawings pro- pared in my Office.—H.H. C., 879-82.	
Garden and two Tombs at I Hadinavallah, dose to Nalco- dar.	to Brick buildings descented with co- carvings and paintings, one of Multanessed Munic, A.D. 1612 the other of Haji Jamai, A.D.	1	Repairs in progress under Mr. Harings- ton.		None	None
Dakhol Seral, 8 miles from Na.	A holding of Shah Jahan's time. The gains overed with locarities the work.	1	Estimate has been prepared by Mr. Haymgron, Expinent, factors, factors, factors, factors, factors, factors by the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of	1	Nome .	Under, prepara- tions

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		14											Plans and de- tailed dome- ray are being proported in M. C., 6 p. 65.	4
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		1.00	(4	i	-			•					graphers have laten yews	7.0
	Non	None	Notice		None	None	Nono	None	None	None			Several phuta- graphers have falcat views.	Soft in repair Several photo- dy the Sidds. graphs exist.
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In the official the same 169 buildings are described.	Ferryle at Talkie Bhalair Jow. A very famous temple, to which Not stated als Mukh;		A		Pamma for bathing and were Not stated	0	9	9.	-	2	AND	In the efficial list come 10 buildings are decreibed.	A micher building (1764 A. D.) Used by the Sikh of machi, with a copier gilt, priesta, Golden Colorn, sometimes caleful the sale and colorn Perupic, its value are assumed with subalt devices of figures and flowers.	Apparenced being hullding, with In religious in tallound decorations and the united state second with consequent
P Office	Shirts	0.7	4	93	- Mille	18	1	i Hpa	ple	(ma		1	3664	Tipe of
Person.	5	ë .	1	1.90	7	23	Philip	60	emple in the village of Manny Karket a very famous temple.	ΩJo		E S	を開発	plantered treick huldling, a coloured decorations and
ň	very famous temple, to a numbers of pligrees ersort.	th libo	10 SI	a fort	Muji	ding	0 63	lago.	llage treson	Hage		W	Po To E	Tall to
	THE STATE OF	The same	100	Town or	Ti.	t boll	見す	당	he vi	the state			modern building of markle with a dotur, sometimes Golden Tounder, I askerned with titlan figures and Sowerre.	liciet.
	fam.	T T	o de a de	Tiple !	m 101	nelini	comple in they	emple in the wery ancient.	1	-			E285	P. P.
		Very old and famous shrine	Temple dedicated to Stillyl in the centre of a thick wood,	An old and famous fort	1	Very ancient bollding	Temple in the village of Phatran ; very fine idal.	Temple in the ediage of Gindri , very ancient.	Temple in the village of Manny Karanj a very famous temple.	Temple in the village of Dear, very uncert,			A modern building (17te A. D.) of machin with a copper gift during sometimes called the Golden Tomple, the walls are assumed with situal devices or figures and flowers.	Hand of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last o
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	New York	Andreas Kangan	ania Maliudeo Templa village of Kanamata, 7 from Dharmada.	CANUT	nda Ten	le at	着	a a	青	N N			97	ith Temple colline
	H	Nambskaite Tomple in the vil- lage of Jadranghal, Talka, Kangra.	Kanja Malusko Temple in the vilage of Kamarat, 7 mins from Dharmada.	Fort Kangra	Hada Temples and Tanks in Kangra.	Tenyle at Hallanth	Bankhandt Thatber	Hurrimba Dulii	Regressibilit	Targag Narain		1	Sibb Temple and sarred Temb colled Leabne Sakib in the Teen of American	Sith Temple rolled Alal Bon- gu at Amelian.
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Principal Ancient and Architectural Buildings, &c.

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	Preservation	continued.	-	In rules	ICT.	Repairs have been executed.	7	Bad	
200 000	Cantody	AMRITSAR DISTRICT—continued.	that by traveliers .	Appear worthy of custody.	LAHORR DISTRICT.		In contody	Used by Maham- mahanay repairs argenti	Umit by Muham- madanu.
Will beging out	Grinnal character,	Make A brick and white stress building Religious instead of gills ordered discreations, and gills tools y a lotty tower in built over the forms.	A brick familing situated on the Used by travellers , Dugishm, Tank, has coloured decembers.	Three briefs buildings having Appear worthy of Invited coloured disconsitions and secons custody.	In the affect	This is extensy to garden which has been all The just and Zeban Nimes, da Alemgie, in other	A brick and marble building (1843) will partitings and sculp- nies. Constraint france the expenses incurred in require.	A handsome brick building with cohoused tiles, built in the court of Shah Jahan.	A handbone manages, built by Used by Maham- Adampter to partly pointed and madam.
Name of Jestime or group of	A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR	Caption and Tout suffer Bake	High Temple beyond the Lodgeth Gare at Ametiac; white 1750.	Old Imported Series built on the Delbi and Labove road by the Emperor Jahanger		Chathart out Lateracy 22 Mailian road,	Temb of Rarill Single ounsile the Roshau Gateway, La- hore,	Maryld Wave Khan, near the Kotuali, Lahare.	Radshahi Masjid mar the Ford at Labore.

Plant and demang to my effect.	Desmited drum-		Noem,	Nome	Stoutst te ee Has been plotte. See Canning- paired, graphed, ham. Ditto None . Ditto.	Not known of,
Distro .	Dilto.	Ditto	None	No information Has been photo- None, graphed hy Marcer.	Has been plooto- graphed. None	None knows of Not known of,
	1		Information re-	No information required,	Should be re- parend. Ditto.	
Repairs about to	Repuirs Aure som- mounted,	Repairs admed to		TRUCT.	derendo.	In the efficient lite name 6 objects of interest are described botto wrested Apparently from . Falling into ruits . In Kashmir; gat.
in Government car- body.	U.	In charge of the Municipality.	Custndy seems de- erable.	GUJRANWALA DISTRUCT. In the efficient list some its buildings are described, and tower Custody seems dee to the sides are above a rank's are above.	RAWALPINDI DISTRICE. The same 8 buildings, dros, o worthy of custody, In diss to worthy of custody, In custo	HAZARA DISTRICE, at mome 6 objects of inter-Apparently man. Fall
Communication by Mahmaid of in Government case Repairs about Ghand, finished by Slath sham body. 19.1952, has said should be kept in a commentant state of repair.	A marble and granter building, with sculpturer and paintings, built by Stath Jahan, 1815.	Built by Shah, Jahus in mittation In charge of of the great gardens is Kapk ng by Government.	Built by Dara Shalt in the ceign Country seems de- of Mangrit sculptured and high- by painted.	A table summer hours balls in 1958 A.B. by sen of Jahangira B. wry large, and the of good architecture.	A Bodillist Tope which has been worthy of custody, in disrepair Clif tradiblet remains described by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cummingham. by Cumm	Small Dursed. Cos Minar at Supposed to tave been srected Apparently some that the importance of the tenter of the integral of the important cost to Kashmira the ballest at Mangal.
First of Lathers	Tomb of Tahanger or Stati- duca, 2 miles from Lahova.	Shakimtar Gardens, 6 miles from Lations.	Tomb at Man Mir, in the milve village.	Hran Minn, 3 miles west of Shehbupun, Takaii (fafina- kail	Mantityula Tope	Small Downed Cos Minar at Bat, it mire from Mangal.

Punjab—conft.

Principal Ancient and Architectural Buildings, Sr-contd.

_	_	_	_	_	_				_
Drawners or plans		Has been photo- Note terror of. graphed.	None	Nome.	Nove	Venne	None.		None
Photographic		Hachen phito- graphed.	Ditto	None	Habenyhato- graphed	Ditto	None		
Betonion		1	1	***************************************	II.		1		Unincessary . None
Pere mither.	T. dreed are described.		i,	-Kom	azola sve	mingési	*	HCT.	In preservation.
Custndy,	MULTAN DISTRICE. In the affectal fat some ct edjects of interest are described.	A place of pilipina- ages cannot desir- alds.	Custody desirable	Ditto	A place of pilgeisms, centrally distingly,	A place of Mulma- mattan plicemage i custoly deirealdo.	A face held roles a year, heapth at leaded by Hinday, accounted, desirable,	MONTGOMERY DISTRICT. In the official list some 4 buildings are described.	Sahet by pilgrims; made of contoxy unknown.
General chander,	In the affectal to	Shifts of Muhammad Vanad, A Joich building covered with A place of pilipines with South Cardin, in Mus. coloured summit. Elect. Op. agest cannot) destructed from state the Hollar Gate.	A brick building with paintings .	A firstle freshing of Aurangalib's fine discounted with paintings	Abride building of Toghlak, Aplace of plecima, about 330 seats old, decented contog distralie, with paintings.	A brick manney building with paintings and bright emanuter that yet years add. Shama Taleer was flayed alber on this spul to a marky.	Or mammon, with paintings and onematic the work.	MON The file official is	Turns of Bayer Facil, at Pake: A briek building with infaid mare. Visited by pilgrines. In preservation, patter, 17 miles from Manie. Die facer about 25 opens eld ; a made of control. Control. Control. unknown.
Name of helibert or group of		Shripe of Muhammad Yeard, valled Shah Geodre, in Mod- rae, east the Hollar Gate.	Mada Tomple called Naving- poor in Maltan in the old Fore.	Shrine called Harret Shaleh Wass Park in Multan,	A Dormal Ortagonal Memo- nesse, cellus Rickan adelin Allen, in the old Fort, Mislow	Shrine called Shab Shame Takers, about last a mile outside the coefficient country of Multan.	Temple, Shrine and Thois of Sunsi Kand, a miles to the most of Moltan.		Tumb of Bayes Farid at Pale- pattan, 37 miles from Mont- Conery.

None None	None Some.	Has been photo- None.	Dittel . Nowe.		None None
4	**		T-		
To the efficient return these are the any two buildings destribed monaice thicks have and also be the finder and also be to the finder and also be to the man and also be to the man and also be to the man and also be to the man and also be to the man and also be to the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder and the finder		GTRICE, discribed, to produce described, the good prometter and temps was repaired by the civil surthern therefore in 1807.	A martice holding of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the state of 12 the st	DISTRICT, ps. 62c., are described, ortent.	DISTRICT.
them there are the sudy to Highly measures by Fair Minches and Ma- ha man and a to a actual is that in the	A fair hold yearly ! Fair custody desirable.	MUZAFFARGARH DISTRICE, with encounting Not in use 1 cultody 1th, good preserved ty, yellow and desirable, temporary the A.D. by the counting the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of	Custody desirable	DEBA GHAZI KHAN DISTRICT, In the official that some 4 fundelings, 674,, are described. Nothing very important.	DERA ISMAIL KHAN DETRICT. In the effected flat terms of duildings are methods and to less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the less than the
In the afficial red for the afficial red for the form the form and white muche; the tonit of white muche; there were paint-	ings on the walks; date about to years old. A white and black marble build- A log; the outer will are paintful; the laterior is decorated with the laterior is decorated. Shall, harnes, Shall further, boilt in Shall Jahari's time.	To the efficient first them are the ends two buildings discribed for them are the ends two buildings discribed for the control of them to the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the Clemate, on the	A book halding with anound de- constons I about 26% years old-	DE ALTA GET	fig. the At Unitarised the at Unitarised the Shift of mancounty, supported to be were amazont, Hando or Bonddind.
Mongan at Chinan, balf a mile Built of red and gray stone, the from Tabul Chinar, on the Gore paved with monaced thick cand Great Renal and white markle; the tonit of white markle; these we print-	Temb of Harrat Shall, hall a A spile from Tatal Chinas.	Tombof Nawrb Tahar Khun at A Sigus, on the Clemnik, co wiles from Namilarguth.	Tombot Ashar Wahahar Davis Das Damb, 45 miles moth- west of Manadagach.		Part at Umarkut max Kleypur

Punjab-contd.

Pennipul Antient and Architectural Buildings, Occ-contd.

Densings or	None		None	None	0.000	.000
Photographs	Nose	T	Said to have None. Dwg. pluto- graphed.	None	Noise	No. No.
Restaution	1	-	1	1	1	1
Preservation	CT. fereid are noticed. None	Wante investigation	International International International Systems of the State of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of the Systems of	Monthy rained	CT. • Orc., are described. None	OT. Ott, ers described, red pertensis here reduced.
Curtody	Fa the official fast 2 objects of interest are naticed, outside wars careful, arms do: None were as a Latione at Latione		JHELUM DESTRICT.		In the effects flat sense to buildings, &c., are described probles in Name . None	In the official that some 11 healthrape, Ott, are described, then covered Used by Maham- Good, bestuarly bean union.
General character. Curiody, Preservation, Restaution	Manual at Robert Tahall, Man- Debres of walls in the mound were Control and later by the leafest in then, amble, seems do none making and several figures of Gracol arbitis. Historian scalplane, were the fathors where the fathors	The reunius of a Grace-Bar-	Temple at Mallie, 16 miles A stone building of a type similar parties as buildings, &c., mutherest of Fool Dailin to Kashmiran temples. As in Able.	Need of Beism. a fine guttonay. a fine guttonay. by the guttonay. con the guttonay. by the guttonay. con the guttonay. con the guttonay. con the guttonay.	Afong 33 miles morth-west of A wary old place; problic is None the Jactim.	SHAHFUR DISTRICE. In the official that some 11 buildings, Ct., ore described, with colaired decorations. See I made in Albane color best and been years this.
Name of helifing or group of buildings.	Mound at Robert Tahnit, Man-	Mount at Aken	Temple at Maint, 16 miles Retain Khan,	Vort at Rhoths, 17 miles corth-	Mong. 33 miles morth-west of A Gueral, no the basics of the Jiefmu.	Mongan at Bhase

PESHAWAR DISTRICT.

	Ser Report on Emerging Ap- pondix L.	None known of,	See Countagitain and Pyrganon,	Dittor	See Cunning-	See Report on Emerical, Apr positive,	***************************************	None.
	fig.	MIL.	Meny sculptures base been plus- tographed	Sculptures have been photo- graphed.	Marie	Scalptures from leen p.b.o.t.o- graphed.		Non
	1/1000	s tilus tud	, derméghere 3 Larmannes 3	akt tad alter inn net been	त्र तुरुकार्यक्रम् स्टब्स	tapodoy	1	
nterest are moutierth.			Many sculptures re- moved to Labora Missona,	Many scalptures as- carated, and seron taken to the Crys- tai Paline, and don- troyed in the fire	***	About you realptures were receivablish cold season of 1880-43.		Kings are described. Said to be good
In the official list name 13 objects of interest use medians			/#i	E	Ī.	I	PATIALA STATE.	AMD STATE. To the effect that some 12 buildings are described, mg . Custody scens desire. Said to be good
IN the official III	Fortress at Ranigue on the General Cuminghan Semilies it. Attl. moves the willings of with Action. The fort contains Normalizations of militarium at large number of Buildings of the Normalization stations.	One of Aschales of the intropions, 250 B.C. General Combignors stempling the locality at the city of Sadatta.	Store rules of has-pulleds and analytices, so II.G. to the A.D.	Stoke Lateraluft and unlightest .	Stone ruins with bas-reliefs and sculptures.	Stone mounteries with sculptures	Cardes and Diega-i-Khus of Ali-	Yang macieut Hadu bullifing
	Furthers at Ranges as the AIII where the wildsgo of Newsgreeners, a wifer marin of the Newsgreenery parties station.	Shaddon Gards near Mardan	Rains of Buddhirt city of Taible-Blot, Cockerts the north-west of Marchan	Rohm of Roddhid city of James Carbi, 7 miles to the porth of Murdan,	Buddhist Tomple and Monnie trey, a mile from the willage Khaddhal, by Europius, and a miles from the Swat from- tier,	Boddini remain at Saughao.	Sichind	Temple of Sti Iyail Dietal Very ancient Hadu building as Sind, east the Western June on Chmil.

Principal Ancient and Architectural Buildings, Sre -contd.

		_				100	200
Drawings or	Nome.		Nome.	Notes		Mentioned by Vigne, Na drawings,	Worthy of platte Worthy of draw- graphy-
Photographs	Norm		Nome	Nom		Photographed - Mentioned Vigne- dravougs	Worthy of plants graphy-
Restorations			1				-
Preservation.	STATE. Good	1000-	ATE. yes see described. Ruiness condition	- · · · · · · · · · · · · · · · · · · ·	I. gs are described.	Cood	Giod 1
Cunody.	NAMEA STATE. In the official versors such one building nations. MALIER KOTLA STATE. Cushely desirable — Good	KALSIA STATE. Nothing of importance.	BAHAWULPUR STATE, for the efficial for some fit buildings are drawithd, on what Conside probably Ruinnes condition to limit; dieseratio.	A sillage is built on the top to be not of the way of fineds.	CHAMBA STATE. In the efficial list some if buildings are described.	Used by Hindus	Ditto
Geurral character.			Pattan Monaca, an old tower A curiomy-ball tower on what Consults, prohaby Ruinna condition grades north of Sanahakas, the remainst of an old town in dissemble.	Mere forth one of six hull by Sar Saless H about on A.D.; was taken by Statt Hamma Argina in 825 A.D.	In the offer	on Store ballings with amptioned Used by Hindus decorations.	Highly ornamented with carelogs in wood.
Name of building or group of boildings.	Messyan of Shall Past at Matter About 100 years old . Timb of Shallsh Sade Khan at About 500 years old		Pattan Mennam, an old towny y miles north of Nanshakra.	Fort at Mow Mohatik, 6 miles west at Namhishra.		High Temples at Chamba on the Rayl	Temple at Mirgola in Ollapur, 3 miles from Dilbosah,

Kashmir.

Some Principal Ancient and other Native Architectural Buildings in Kashmir.

Dravings or plans,	Noine.	Nome,	None	Ancient Builds, Ingo in Conf- may, Mag-	None	None,	Nome.	Seephanin Cole V Auriori Banta- ings in Ken-	Nome plans are wanted.
Photographs	Photographed . None	Ditto	Ditta.	Ditto	Ditto	Dilto	DHs.	Dillo	Ditto .
Rentoration.	1	1	1	1	#		-	It would be post- wide to restore this.	1
Preservation.	In the afficial lists some 35 objects of interest are deservined. In the afficial lists some 35 objects of interest are deservined.	Rains, preservation very desirable.	In this redect should be preserved.	Ditto 2	Dinto	Fair order	Fair orders, should be systematically preserved.	Ruinett, should be charmed of jongle and pre-mod.	Pate.
Castody	Custody desirable	Dilts	Occupied by a fasher, no regular centudy, to prevent damage.	Used for Hindu wor- thing custody desi- able.	Custody dozirable .	Ditto	Dilto	oilito	In use by Muham- malant.
General character.	In the afficial lists seem its educate to Label out in Ather's from you Custody demands see super. The stone buildings	Date from 893 to got A.D.; hand- some stone buildings with neitp- stant column, &c. (see Ancient Halddings in Kashmir : H. H. Cale, 1869).	Temple at Binniyar, went of An interesting Hindu temple and Harmonda, and it miles become of stone.	A solid store building, with third walls and pyramidal year, that about 220 B.C.	The tank is of stone and the Ha- radari or sood and brick, hullt by Aller.	-	thats by the father-in-taw of Shah Jehan a bostuital garden. Bandari and western.	Resurtial Heads temple in storm a short org A.D.; startfi in water,	Mosque of Shah Hamadan in An interesting weeden hunding . In use by Muhame Fais Semagat.
Name of building or group of	Garden at Manie Bat, to miles north of Brimgar,	Temples at Pattan, 43 miles aerth-soult of Scingar.	Temple as Binniyar, went of Baragada, and a miles be- yond Namhakira.		Garden and Baradari called Chastmah Shatti, on the Dal	Garden and Barndari at Shab- thmac Bugh on the Dailialm, cast of Science.	Garden railed Nichat Sugit on the Dal, east of Semaper,	Temple at Pandrellian, 5 miles antifected of Scinguis.	Mosque of Shah Hamadan in Semagata

Kashmir-contd.

Principal Ancient and Architectural Buildings, Set -contd.

-							_	
Drawings or	N ora	Not photograph- None. Photographel. See Commissions and Persymmen. See Coll. 2 Acc.	See Comington,	-	See Conninghams and Cole.	ney.	Doneings or	hum
Photographic	Plutographed .	Net photograph- None.	Photographod often,	Photographed	Dilito	ajputana Age	Philippaphi	
Restrections	ŧ	Impossible	Ü	1	1	its of the R	Restocation	
Promptation, Restoration	Dispidated	Rotand		Require attention	No preservation, but should be legal chief of jumple and preserved by an exclusion.	ency.	Preservation.	
Cuntody	Cantody desirable	* *	Controlly much re-	The Histor take Garo of the place, but it wants some systematic controly to preserve it.	Cestrely desirable .	Rajputana Agency.	Cystody,	San All Addition
Garrel character.	A large hallong with wooden Controly desirable . Ditayalated	An interesting stone leading. Old classers and temples parity Castody wanted bared; the stone carrying are professed as most subtracting ratio after Martinal the most line portant in Kashmir.	The finest example of the old Castody much re- Kantonici atyle of architecture, quicce, quicce,	Built by Jahangir ; is a most curi- sure plane, full of sacred sich.	Old huidings of stone, dating from the sommercement of the present century; are much out at the way.	Some Principal Ancient and Native Architectural Buildings in the limits of the Rajputana Agency.	General characters.	Charlys Cavy at Dimmur, About scorces A.B. a man-man Count, A. L. A.
Hame of fulfaces or group of	100	Hada Temple at Pampar Avantigues Temples, 13 milms mutherart of Senagory date 725 to gat A.D.	Temple at Maritand, 3 miles	Varmail Garden and Spring	Hindu Templer at Wanger, about 23 miles from Scingar.	Some Principal	Name of building or group of hulldings.	Chattys Cave at Discenary,

							_				
-	See Forganian and Tol. Draw- ings wanted.	See Ferguson and Tod's Ref- ardian, Draw- ings wanted.	-0.00	1	L		14047	1	3		
1			Photographed by Mr. Bogdar.	***************************************	Has been plus- tographed.		0000	Photographed by Me, Beglar.	Mr. Buglar haptograph o d		
-			4		i.		1	1	1		
#		The organizated ma- sury well worthy of promevation.	1		Durbar willing to contellists funds for progression		The Burbar will re-	1			paies.
Dina	Ditto :	Ditto	1.200	Kotali Durbar	Ditto	Dilito	. Joffspur Durbar		1	Maywar Durber	Ditte
Charge Ches at Kin of Ko Trabbly the most modern group, tall Agence.	680 A.D.: the a boardfully carried roof.	Erected before 550 A.D.; is situ- used nest far from the falls of the ever Chambid; is now a	Am open pilared building with a Jain reed.	Several buildings of anzient date periodyally is come; one is in fair condition.	One of the Temples called Kakra Denra is well warth restoration.	Palace and pavillen on the tanks of a lake.	The buildings are implicted	A beautiful building, with a fire- ality and excipture. There is also an old palace near the humple.	One three shrine temple, a silen- over such shrine Elaborate surring of manney. One small- ler temple with Kiotigons over the porches.	Commercial in 1661 A.B. The hund to the morth is of marible and very deconation.	Countracted by Maharam Jal Single, end of asymmetric con- tury, in a miles long by 5 brand, and has a beautiful marble dam.
Chatra Chan at Kinist Ko-	Temple at Chankstrati, near Jaira Pates, Justava, Ko-tah Agonty.	Baroff, Ketzh	Noprint Hall at Barollin the Ketait Agency, Rajputana	Ancient Temples at Ramparis to the Kotals Agenty.	Aprilist Town and Temples at Kishen Bilas in the Kotah Agenty,	Anchest Palace at Raspur in the Kozak Agency.	Constitute of the Chiefs of	Markur at Mahanai, Rajgu- tana.	Bijoli, Ralputumi,	The Raj Sannad Lake, about as miles meth of Udingus citying Meyeser, 3 miles by	The Jal Samarol or Debor Lake, about no miles scotle- east of Udalpur (173), in Mayent,

Rajputana Agency-contd.

Principal Ancient and Architectural Buildings, Sec-contd.

				1000		_	-
See Requestration pages 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 and 255 an	See Fergrams. Has been sur- myed for re- part.	See Rossellet, pages 191 and 194. The Son- ger Charci lust been surveyed.	See Roundet, pages 537-45. Worthy of carre- full decoding 1 and be survey, ed. De tax 18 would be most valuable.		1	***	
Plot of c n p h s would be value	Has been photo- graphed.	f have photo- graphs.	Har been photo- graphed.			1	Ranteen photo- graphed
			1	1	1	1	-
	Respires regules	Warthy of pre-roll- finns	Regules preserved	The Dacharis willing to see to their con- terrancy.	The Darbar is not in a position to find family for sepains.	***	Requires repute
-	-	Worthy of centudy . Worthy of preserva-	Jaipur Durbas	Japar Durbar	Karanli Durber	Utenr Derbar.	47
Numberless temples and buildings on the shore of the lakes erected by Mann Stant of Japans, Jorga- hu Mall of Harrings, Hijay Sing of Marsons, and Holkar's stances, queen, Aleinia Bri in heavelled collection of Rajputane architectural styles.	Erected by Klumbo Rana to com- mentorate his victory over Mah- mad of Malwa in 1429 A.D.	Rains in the Fort at Chittore	Date about 1392 A.B.:	There are said to be fine carrough. Japur Durhar in these.	These are reported by the Kanadi Political Agent as being the principal monasterin in the Sinte.	Said to be the Tomb of Masade Utear Darbare, die Alam.	A modern chuttrin with erenister 16 castedy able architectural prefermout in
Comples on the share of the P. Lake at Postkur.	at Chitary to the Part I Revent	plet, the Sanga Comple of Velj. Sc.	Paleer at Amber, the original Capital of the Jupar Sinte.	Pales of the Makarija of langur at Toda Rai Sing. Temples at Toda Rai Sing. Langue State. Temples at Managaria.	The Mundred Fortable Tamming and Fort in Machigan Talbul and Machigan Talbul Talbul Well Machigan In Tabell Well Well World Street	Large Pathan Tomb at Te- jowes, 30 miles muth-samt of	Trend of Regal Dublamer at Ulamer

Rajputana Agency—contd.

	Dramage of		¥				1			See Romerlet's Judia and its Notice Perio
	Photograpia.	1			16.64	H				The photo- See Romedet's Craphe Astro- Perior
	Restoration				I		Tenne			0000
A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR	Preservation	The Durhar will are mage for their con- merancy.	Bund The fire deep carve ings of the externel have been white washed		PT	Not the Company	A tungh estimate is	Engineer, Kotah	States for repair-	Being restored by the Mahaman.
THOO - TO THE WAY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY	Castody	Ulvery Ducher	Kota and Duchara.		Diodpare Duchar.			Kotalt State		Oved by the Maha-
	General character,	Monuments reported to be of in. Ulway Durhay terms in Ulwas.	The present shrines were refusill during the rungs of Malacan Raje Chattar Sal A. D. (192-2). Att object of Mulmamindan versation,	Money at Disolpore . Hallt A.O. 1537, and is handcome. The Tenth of Shah Sarafahdal An object of veneration to the man Disolpore.	A handrome hydding.	range of Palacca med as a Bollt on the neargie of a lake, sheating ledge by Shalladan 1917, to a great extent rained, men Hart. Dholpon State.	The buildings are said to coming to exercise temples of very are count date, principally in pains.	One of the Temples called Kabes. Down is worth rogale.	On the banks of a lake, The Bandarius and to be hamboren.	W The interiors document when the makes Boling restored by the and little mounts.
	Name of building or group of tachings.	Hatch Jang's Tomb et Ulyan, Tombes of Hamman and Maladoo of Bangaria, Tom- pie at Nil Kant above the village of Testa. Raiguel- ope of the root interesting pieces of the State.	Dambal,	Memper at Dholpere The Tomb of Shah Santahdal man Dholpere.	Comb of Mahmud Khan, one of A handsome building . Akbar's Generals, near Daol.	A range of Palaces med as a shouting ledge by Shahjahan man Hari, Dholyane State,			D at	Pulmers to the Islands of 3 Udupus, Meymur,

				STEE
I lasse photo- Ditto, page 160.	Has been photo- See Roussilet graphed, and Fugussus.	Ditto,	Have been plus. See Buildings tographed. ann. Matter and Agric by H. H. Cole.	Has been photo- See Ferguinos graphed, and Lohe Ditto . See Ferguinon.
I have photo- graphs.	Has been photo- graphed.	Oitto .	Have been plus- tographed.	Has been photo- graphed. Ditto
1	1	10100	ľ	1 1
	Will be restored by the Maharuna of Udsipur.	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		Pale
British Co. A.	Custody desirable	- moon	In remody of the Edjah's people.	Used by the Rajah; also by valton. Udaipur State
A large and outgoiffest building; It use most by the Maharans of Udai-	Singram Sing was funced here in Custody desirable . Will be restored by 1733; a pleasing and elegant building in stone.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Very pleasing buildings of a In cantody of the modurn types. Bajah's people.	Palice at Dig (Deeg) in the Amodern building (dation five Used by the Rajah) Fale Rhortpur Terribory. Trough at Mire Bale at Chit. A temple dedicated to Vehou Udainnt State
Palace of Edalper, Meymur,	Cerestaph of Stagester Stagit at Udaipur, in Mayner Agency,	Cenedagle of the Maharman of Udaque at Ahat, Udagen-	Chatries of the Bhurtpur Kajalis at Goverdium, mar Bhurtpur,	Palace at Dig (Doug) in the Rhatpur Terribory. Temple of Mes Sale at Chit-

Central India Agency.

Some Principal Ancient and other Native Architectural Buildings in the limits of the Central India Agency.

Draw ings or plant,	Ha been plotte. See Canning. Prepare Pres and Ser long. Makey, Cont. Rec., Sec. 1 also by Earge en. Boy Earge en. Boy Earge en.	1	Have been pin- fogreghed.
Restoration. Photographs.	Has been photographed. Sin Free and Ser- gent. Weather by Forgram.	Photographs d	Have been pin- togesphed.
Restoration.			1
Premervation.	Rightice have cons- merical the full- en galds have been reservated under Mayor Spith.		Rains
Cintodyi	Cuttody word dear- uble.		Centody desirable
General character,	Barichiest Yope at Sanchi, Nery ancient tuins, with railing Custody worldsen. Raylaire have con- near Bhiline. And galrenger 1800, pates 30 which among a pates 37 which was been R.C., railing 250 B.C., pates 37 Mc., received and re- reservated under	Toran, acaptered Gateway A very handsomely carried gates near the village of Gyangson, way. Brahmband religious Art. near Britist, Blogad Agency.	Remains of Jain Temple at Beautifully carved stone columns; Castody describe. Rains
Name of building or group of huldings.	Buddhist Tope at Smoli, near Bhim.	Toran, sculptured Gateway mar the willings of Cycorpore, near Britins, thought Agency,	Remains of Jain Tomple at Gyrachers, and Billias, in Bloopal.

Central India Agency-contil.

Principal Ancient and Architectural Buildings, Cr. -contd

	Drawings or	See Vol X, dr- chanting Latt Re- ports	Olito.	1	Į.	See Cunning- humb, derdores, highest Reports, Vol. II. pages 4001, also Per- guerro in and Rossessint, and	Ditto.	Ditte.
	Photographs	Placegraph ed by Mr. Region.	Ditte .	Ditta.,	Ditto .	Ditto	Ditto.	Ditto.
***************************************	Restoration.		1941					4
9.	Preservation	Should be remayed to a mineum.	There is a Lion cape tall of one of Anales's columns by ing on the ground and should be removed to a Moseum.	In a ruinous condi- tion. There are good specimens bree at the Das- Avalaca scalptures.		Has been hadly re- pared in justs.	Jungle and over- growth require re-	1
	Cuntody.					Į.	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	
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	Name of building to group of buildings.	Nations of Bennagar, max. Shina, in the Medpal Agency.	City part, one Hiller, Bhopal	Gadarmal Temple at Pathari in the Natice State of that mine, Minical Agency, 59 ruther north-contresset of Bildian	Hat-Monolith Whar at Pathari, Hopal Agency,		Temple of Vaman, Khaju-	Temple of Chate-ke-Patr, Sha- jurning Hambilihand Agency,

Dilto	Ditto.	Dileto	-	See Vol. XIII, Archaelogical Reports.	See Pergusson, page 457.	Sea Verguinon.	, minutes	-	
Ditto	Ditto	Ditto		Plutographed by Mr. Beglac.	- Constant	Have been pho- fographed.	Has been phote- graphed.	Has been platte- graphed.	
-	9		The second	11	4		-	Stanz and Habemplates Straings in graphed, my office-H.	
- Tables	1.00	1	Partient of the rail and any gate have been examined by Georges Caming ham to the Cal-	cutta Musum.	In comparatively good condition.	Have been claused	Has been repaired and ricensed.	The gulace has been the net out, clean- of and repaired.	Some sculptum; se- mered to Geallor by Major Keits.
į					Cuntody denirable .	-			
An open paydon on a raised plinth; hamstendon anns at the sides; so colonous road perfect; carvings on plinth.	A very handsom building a pur- tion to frost of the sanctian; roof and slick in good condi- tion; some repairs have been done; handsome carred free tound the plints.	A Lingum shrine of Siva, A.D. 909. Commits at a passage to two portion in Front of the santchay selected and root perfect surfigures handsome and rich.	Date of the rail 150-170 B.C.	The effection plan of the nanctum	Dating about 100co A.D., and curved with great precision and delicacy.	Finished about 1003 A.D., cover- ed with elaborate sculpture.	. Is, in the Fost at Goodlor; a pile of rain, dating from the tells or 11th contary.	Built by Man Singh (1488-1510). a. remarkable specimen of a Hindu Palace, the outer walks commended in parts. with ensurant tools.	Total Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the
Temple at Numb, Rhajaraho, Harmishanal Agracy.	Temple of Charaching Rhain- cato, Bandelthund Agency,	Temple of Viewsmith, Khajo- rake, Randelkhand Agency.	Ellerhad Tope	Circular Lingson temple at Changrake on the Sin river, Kewa State, Central India.	Temple at Udaipur, senet Ilbina, in Bhopat.	Two Taken Temples in the Fort or Gemilier called the San Rates,	Tell-ta-Mantie at Cantine .	Palace at Partees Gualite.	Group of Bioth Temples at Parcell, to miles morth of Motors Geallies, on the mad to Pures.

Central India Agency-contd.

Principal Ancient and Architectural Bulldings, Orc -contd.

Drawings or plans.	Una been photoe. See Fregueson, frapkul,	Proceed to	Diswings want-	Ditto	1	Have been plos See House litt. tographed.		Drawings or	A survey of the place has been made in my office.
Photographs	Was been photo- graphed.		Has Sens photos	Dilto	Dilto	Have been plo- tographed.	Provinces.	Piotographa	
Restouation.		19000	-	-	ŀ	1000	n the Central	Restoration	Remodes are wanted.
Preservation	Repairs required	Repairs tomorganical by the Makesuya of Dhar.	. Information wanting	Diffe	Dine	Dille.	res.	Preservation.	Some temples in re- pair, at he re is in searched, raims.
Castody.	. Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercia	Castraly designate ,		Dilto	Incentedy T. T.	farm	Central Provinces,	Custody.	In the official first there are too baildrage, Ore., mentioned Some temples in re- Some at the est in rotus.
Ganoral character.	Erected in Akhar's mign; has beautiful tracury or percent stone work.	thosan A. D.	Palace at Dutlinit, in Bandhi. A large block of hubitings of a 1st use blund.	A very picture-spe combination of dones and gateways.	Quite modern	Quite modern temples	Central Provinces. Principal Ancient and other Native Architectural Buildings in the Central Provinces.	General character.	In the Atial III
Name of building or group of buildings.	Total of Mudament Chase, Gentler,	Great Margor at Manital	Palace at Duttish, in Bandsis- khand,	Patnos At Detcha, in Bandel- khand	Constigute of the Scindialis, Gwillon,	Temples, said to be Jain, as Strongton, near Dutrait, in Renalities and	Some Prin	Name of finding or group of bondings.	Remains of Minds Temples and a little Catterny in the Ninter District at Manchants on the Nerthodda. Amount Temples to the Malkedees Hills, Vachmanth, Hoselmanth, Hoselmanth, Hoselmanth, Hoselmanth, Hoselmanth, Hoselmanth

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						-	Said to be worth re-	2000	ŧ		77	
				İ		-	1		İ	18		- Depart
	1	Described by Cunningham.	Name.			An issuer shrine, auerounded by a darand circular classice, with wanty scriptures.	Built by Madan Sinha in 1700 A.D.	Well-known ratins, from which attack here here removed by Knilmay contractors.	There is an inscription on the temple, of which a validing is required,	Very slaborate buildings in sand-	One of the activity Calenceys Den gate recently removed to at Pennac, to Wartha Discussion way for modern improve-	0000
A suckess Temple at Thick- smalle, Hurbangsbud Dis- ture,	Soveral Bathing-chats and Hinth Temples at Sagar.	Antiquelies and a Pillar of Asolas at Ecan, in the Sagar Dataset.	Rates of Mongana, Tunda, and Buildings return the lake and Fort at Dhamons, in the Sagar District.	Remains of Jains Temples in	A famous Carlle and Rains of the Palaces of the full Good Rajabs in the Nacoughput Datest.	Kenarkabb Temple at Blura Chat, 9 miles itus Jahatjur.		Riche of Karachel near Toward, in the Jabalpur District,	A small Temple and Keine of Palices of Remnique, in the Manda Disens	Some in or 50 Hemapparish Tampies at Ganner, in the Second District.	One of the anchost Galenceys at Pennas, in Wantha Die- Frict.	Two very line Temples at Partiess, in the Napper Dis- trets.

Central Provinces -contd.

Principal Auction and Architectural Buildings, &c-contd

A. Drawings or							
Photographs.							
Removation		H	annua.				
Preservation,			1				
Cuttody.			. #				
1	f. the	1		8	A.D.	- NEW DE NO.	
Control chander.	heers of Monthings of Monthings of Monthings of Monthings of Monthings of Monthing of the Temple of Mahadeva A yeary complete building of the Monthing of Monthing of Monthing of Monthing of Monthing of Monthing of Monthing	Said to be the first temple to the district.		In Has an inscription, said to be dated to J.D.	fine Arithic Researches, Vol. XV).	These are of great ago and in- terest; among them some cave temples, &c.,	#

	ripper	*****						
See Vol. IX, Ar- chee to give at Reports. See Vol. X, Ar- chee to give at Reports.	abad.	Drawings or plane.	See Banish's Forw of Hist- dustan.	See Ferguson and Daniell,	See Fergusson.	See Gall, Fergues, wat, Bergess, and Gerillia, Some of the paintings have	bern conjust.	T
Has been photo- graphs of by Mr. Hegiar. Ph o tographed by Mr. Beglar.	itory, Haider	Photographs	I	-	Has been photo- graphed.	Have been photo- graphed.	Photographed by Major Giff.	Has been philo graphed.
	Nizam's Terr	Restorations	1		1		7	
Worth preservations. Well worth preserving.	d. aulidings in the	Preservation.	Has been damaged by Muhammadans.	1000			Rules	Rislan
	Haiderabad.	Custody,	Requires guarding .	Custody desirable .	Ditto	Dates have here fitted to the turns by the Nicae's Courtement.	Nobe	Curtody desirable
Supported by an annual cudow- ment of En. (1,000 from the Nisam's Covernment. A fine seample of the Cupta style of architecture. Grapta Temple A. D. 600-7001; ex- cellent sculptures of a spirited kind.	Haiderabad. Some Principal Ancient and other Native Architectural Buildings in the Nizam's Territory, Haiderabad.	General character.	Ome of the most singular and Sequires guarding. Has been damaged interesting architectural moles made by Muhammadam, and to the coek;	guestia A.D.	Reclecut temple; about 600 A.D.	Reckett traple with coloured frescos and handsome scalp- tures.	Benefit carred stone pillars	A temple mar Haderabail, called Curtody dinicable by Forgrown the most simple term of a Chaldeyan bungle.
Famous old Temple of Ram-Standards in the Upper Coctavery District. Gupta Temple at Tigora, 7 miles court, of Rainerland, Central Province. Designals, in the Lalitpus District, Central Province.	Some Principal	Name of hulding or group of publings.	Drawinn Temple, the Kalas	Cares at Ellera, Aurungabad	Challyn Caves at Glora, Ale	Cambya Cantrast Numbs	Jains Temple at Annual, mar	Chalakyan Temple at Buchro- pulls

Haiderabad-contd.

Periotipal and Amient Architectural Buildings, &c -contd.

am M b deline or group of	General characters,	Cartisdy	Proposition	Restoration	Photographs	Drawings or plant.	
Marie Christian or stom Can any as Wormput, maybe & Hammiscocks in the Wermagal Distort.	# #	Apparently in good condition. Cantody distrable .	1 1	11	Have been plaste- graphed. Has been photo- graphed.	1	
Supposed Kallengard	Collecture. 1327-325 a remarkable Pathan Indiana; the whole of the area being toward in.	Reports are about to be senderfulen by the Numer's Gre-	Name of the last	i,	Distor.	See Pergumon.	
bester of the Breth Stabil Dy-		erspirett,	1		THE STREET	Soc Burgers ro-	
tra saul to be Jain at thanking the party to be described to the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the s	Multager out in Berne, sone	1	100	ŧ	1		
Gamilghor, Bullen, Buldam	A targe tempte with Jain columns.	1		THE STATE OF	7000	7444	
Benergadi Couple at n. Militar, Rulian bet, Bene. (The brue	From early Hiele building to Bern, covered with scalatons inc Mr. Lyall's account in the		1	1	1	i	
tradition from a notecret Ferminal, who used the most to finish tamples in one night, of him Tamples at A Michaller, man likenone.	tradition from a stotewer by treatment government of tradition from a stotewer because of the month transfer in one negligible and A beautiful group of buildings Machiner and A beautiful group of buildings was flictured.		1	***		1	

Maisur.

Some Principal Ancient and other Native Architectural Buildings in the Maharajah's Territory, Maisur.

ans of facilities or proup of	General character.	Castody,	Premyation.	Restoration.	Photographs.	Drawings or plans
Statue at Vanius .	This inage is 33 feet high	Information wanting.	IE.	man!	Has been postn- graphed,	min.

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	ing. Were required and but it writer				1	rchitectural Bull	Prospecation.	olitecture)
Ditte	Norm known, well Information after the land inguities of the Assistant Committees of Manier District.	Said to be in charge of Amildar of Belur.	Dilto	Ditto + +	No information .	Burma.	Cuntody.	No official list per functional. [See Forgumon's footies Acciliations of the print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print print
This status is 50 fact bigh. Wellington went to see it at the patent, 1750.	There are 15 of these temples, which are more or less of orna-mental measure. Built by Visualitys Builds in 1903 A.D. 1 wery claborate atrino, with carvings in stone.	A double Chabileyan temple of great hearty and elaboration .	A Chabaltyan tempfe, with wem- derfully slaborate sculptures; halft in 1114 A.D.	Covered with sculpture of the best class of belian art	This image is 44 feet 5 inches No information lagh, date 1137 A.D.	Burma. Some Principal Ancient and other Native Architectural Buildings in Burma.	General charácter.	The rules at Thatan less described by St. Andre John, and are very cuts precipied pagnish is with the good chabonate tares, date probably stati restaury.
Jain Status at Scavans, Bel- gula, sear Saingapatism.	fains flatte at Scarans, Bel- gula, near Scringspalan . Treefle at Somnatique	Great Temple at Hullabid; commenced about 1224 A.D.	Tempts of Rober man Hulla-	Chatalyon Temple, called Nair Lymens, at Hattshid everted to the side century,	Column Jain States at Ker- keth,	Š	Name of building or group of fundance.	Engoda at Therun, aboot so mics noith of Martalen

Burma-contd.

Principal Ameient and Architectural Buildings, &rc.-congd.

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Photographs		Constant Constant	Has been pho- tographed.	Ditto, .			THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S
Destroyton		1	***			1	*
	Trem(Vanous	ŧ	1	. Was regained in	L		-
	Cautodys	-	Three Co. of the	3	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		******
	Concept character.	Preme was the religious capital set the Buddhists to forms, up to toy A.B., and the rains trapped quire investigation.	The original pagods is said by tradition to date from Buddha. It was hist expaiend in 1855.	The principal pageds to Mault In use main sounded in 878 A.D.	Colonial Yale estimates that the results of Sou to 1,000 temples may be traced. The temple of Cambridges, 100 A.B., every and leastful in detail the joililings are always of brick covered with stones.	The Kongraads Dagels is not far from Mengus, and dates from Mengus, and dates from it resumbles the Sanchi tops, having precisely the same fortune, made however of beick and planter untend of storm, and cistosian gateways. The Sheemals Dagels at Feguli same polygonal than extends, and is as high as S. Fani's, and is as high as S. Fani's.	Are all of wood, and most of them many storied, like the tamples in Nepal (our Fergue- 190).
	Name of buildings of group	Ruins and Vermins at Press .	Shaw Takan Dier is the large Pagoda in the Town of Frome	Kyail-Thar-Lan Pagoda,	Raine of Pages	Creatin Darobas	Burmanie Mountarries

Nipal. Some Ancient Buildings in Nipal.

Drawings or	4	See drawings in the Hodgests Callection.					fis. Drawings or	1	<		Table 1	
SWS.	Photographs	Have been also	Cographot. Dieto .				Photographs	E-01	1		į	
	Restoration.						Restoration	0		-	1	
	Preservation.	Vicini .				n Assam.	Preservation	1		1		
Some missing among	Custody.	Used for worship			Assam.	Ancient Buildings in Assam.	Costody.			1	1	
and and	General character.	Carriers pile of building; the Used for worthip Chairs is it as recorded form, with a very anapprential form of "tee,"	Hindu Temples to Mattacke and Corinea buildings; worthy of Krishna at Patents. From resistor. Hindu Theorem Temple at 1t is few atories in buight, and	wary Children in Charlector.		And	General characters	Repor	The rule is said to be at large size, and carred stoom bring	about. Some rettingkable pillars are des-	Hills. Alabe The carrings are said to lieve an extent others.	
	Name of highling or group of		High Temples to Mahadee and Krishna at Patons.				Name of holiding or group of	Tomples at Stheagan, Johns	gar and Gantingat, in the Schouger Dained. Temple on the Baltimon Pier-	Party of Drangers, the capital	of the Kachad Knuts of the per Assentingthe Name Hills A reflection of curved states and stones at the Kachan	Trepm, Darrang District.

Madras Presidency.

Some Principal Ancient and other Native Architectural Buildings in the Madras Presidency.

Desires er	See Tree and Serpost Wer- Mp. by Per- guman.	d See Fergussin, r, Caloud Mac-	See Ferguson, and Ram Ran's Hinda Arthe	technol	Har been plot See Fargunou, tographed.	Details would be valuable.	P Details would be valuable.	See Pergussen.	Name known.
Photographs	See Tree and Seepest Wor- ids, by Eco.	Phytographed by Dr. Honter, Captain Lyon.	and a		Har been pla tographed	Have been plac- togruphed,	Has been photo- graphed.	1	None known
Restoration		1	ì		1	ŀ	1	l P	1
Projectuiton	Some 52 remains are noted in an official list furnished in 1870, gold, and sail rail. Contails dealeable. Some repairs have and 500 A.D.	Preservation had been communical;	Section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sectio	i.	Ť.		Mr. Blach, Amist and Engineer, his been of most dury dury days and arring the redd serious of 1003.	Has been restored and eleaned.	In 1877 the turn of 186, 2, case was pro-
Custodys	Custody desirable	Cestody desirable. Permanent watcher a suggested in		990001	Į		Į.	******	1
General character.	Some 62 remains are noted in an official fits farmithed in lags about 400 and 500 A.D.	Temples of Dravidies architec- ture, about the 4th century; cut in the made.	A number of temples and shrine embered is a court, one fact by yes feet,	Groups of tamples as picturesym- and, good as any clerothere in the Madras Pvendency.	Has a fine pearly, date about 1750 A Ds. with handsome compound pillars.	Covered with the most elaborate scalpture.	A constitute ruin of the Dravie- dian ayle erected 1529-42 A.D.; carved in grands.	A.D., the perchy date about 1358 A.D., the the Voltare Fore; was occopied as a slove.	Chandraght is a deserted fortified ofty; there are secural interesting that in the fort; among them the Rajan's palace.
Name of transfer or group of	Statistic Total Statements, on the Author Description	The arrest Pagedon at Maker malphrons norr Madrett, in thingings.	Disselling Temple at Heave- lace in Chimpsoute to miles went of Madrak	Denvillian Temple at Confe-	Tomple at Perier in Cambie- tore.	Two Grouns of a described Francis at Targator, on the hunts of the Rose Pennils, Durint Bellary.	Temple of Vitalia at Physics mayor out the Tangahades, Relacy District,	Transle at Vellare, North	Rajat Mahal, or Rajat's Pa- lace of Chentrages, is North Arest.

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	See Fergumon. Details would be valuable.	Ditto.	Details would be valuable;	Details wanted.	***	Drawings have been propured in my Office.	See Forgramm Details waited Mr. Grisbohn at Madras has drawings	Drawings In my Office.—H. H. C., Syrån.		See Furguson.
	Has been photo- graphed	Ditto .	Ditto	Ditto	Frequently pho- tographed	1	Has been photo- graphed.	1	1	1
1	I		1	1	-		Í		and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th	
In 1877 a small esti- mate was framed for its report.	Preservation desira- tile.	in charge of the Princes of Tanjore.	Ditto		Projects for repairs to hand.	Ditto	Repairs in progress since 100s. The panel is being connected sate tiles triet offers.	Hen been much dis- figured by teatings of paint. Project for repairs in hand.		Promovados desira- ble.
1))*******	***		Used for sacred por- poses, a great re- sort of pilgrion.	fame c		111111	1	
the apations and messive gate- way surmanished by a rooms and to tave been used by Circe at the time of the defence of	A large enclosure of shrines and temples, daing from 10th to the	Called the Great Pagoda; date about the rath century.	Date about 15th century 5 covered with elaborate scripture.	A right stramested place of Dravidan architecture.	A very large enclosure of ten- ples; a malera chaite of build- ings built within the linets; of	*******	at Dating from 16c2-45 A.D.	Has some benedial corridors; about 1550 A.D.	A mail ruined payods with some first stone carrings and freezo	An enclosies 318 fout by 756 feet.
Delhi Darman at Arrest	Transfe of Chillandaram, in A	Dravidian Pagoda at Tanjore . C	Develor Temple of Soubeas I		Dissiblies Temple of Selega- gent, near Tetchingles	Great Temple at Madwes -	Trimal Negatile's Palers at Madiana.	Description Temple of Rhamps Has amon brandful around to the filling of about 1550 A.D. Passadors in Hadrack.	Pagoda at Sumpall, in the Cod-	Temple at Tanavelly

Bombay Presidency.

Some Principal Ancient and other Native Architectural Buildings in the Bombay Presidency.

Desemps or		Photographs have beentaken of Baneta.	-	See Burgent.		fin ben plote. See Fergunen. graphed.	See Danfalt. Ornwings woold be valu- able.	See Damiell.	Has been photo- See Pergusson. graphed,	See Bargess and Ferguson.	Dilto.
Photographs	2		(desire)	May been pluite. See Burgent, graphed.	diam.	Has been photo- graphed.	-	I	Has been photo graphed,	Ditto.	Ditto .
Restoyation	are equipmented			I		1	*****	***	(day)		
Preservations	730 places of interest	Some remedies have been suggested for Bastein.	Should be radedin	Stone mirk has been recordly cleaned.	· 1 · 1/4/4 ·	Fair A A				******	-
County	mines SLOT by season H		199	In clarge of Exe. Stone mork has been critice. Engineer, recordly riemed. Bombay Defracts.	Controlly desirable .	Dirto	Camby deneable. Repairs in pro-	(9)	Repairs in hand .	lurchange of Exern- tive Engineer, Found District,	Custody desirable
General characters	to an efficial that farmlabed by Mr. Hurgess in 1875 come 720 places of interest are examerated.	These are mostly charches and monastic buildings.	Several valuable Huddhist relica	Date from the middle of the eight century; curious Hindu sculpturn.	the A cock-cut fluidible temple; Costudy desirable ty-	A cock-out Buildrist templer, about 175, B.C., with scuplane and capitals.	Daring about 800 A.D.; costs of the sculptures have been made and seen borne; though munit, it is righty carred.	A Hindu rock-cut tempte of plain	A handsmedy reckent temple; Repairs in hand 35 B.C.	tr A rock cot temple with sculptured or capitals.	in A cave temple dating before the Christian era; served out of the neek; no semigleure.
Name at beating or group of		Portuguese remains at Barbino, Mandaposheur, Glosthandar to the Thana district	Haddhiet relic senseral at Sopara. Thurs district.	Care at Eleghanta, Bonday.	Chattyn at Kenberi on the Island of Sulestry, Borelay.	Chairya Core at Neals, Borr- bay.	Temple celled Amberiath, near Kullion, Boother.	Saira Templa at Poom, Bons-	Charges Care at Karli in the Bhars Ghat.	Chaltys Cave at Bedas, 11 milesfrom Karif, in the Bhoys Ghat.	Challys Cave at Bhaja, in the Blove Chat.

See Forgueson and A. Caus- ming; also Hope's dr- charature of Rospur.	Mingur.	1 kndshand N. Jo	vantsatiásvá, a'sgo myroð			Sea Higgs's Ar- delication of Discrease and Mysers.
	Has been photos See Hope's graphed.	Ditto.			and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th	Has been photos graphed.
Ditto.	1 1		Republic communication (1882-8);			-
	11 **	AND STREET FOR	inespirins depun i Super nesq savy	Repute	Mach out of repute.	
The from it to pro- cessed being analysis of it, the send- quarters of the Natural Director.	Rejuin nuce-				Inturnation wented Mach sut of repair	C=tody desirable
	~	Surrection to tryle. Very fine building a Saraconic to atyle. 1445-31 A.D., fine buildings; Saraconic in style.	Built in 1460 A.D.; Saraconic in style. Built about 1460 A.D. by Malmost Begram; Saturation atyle. About 1484 A.D.; Saraconic in style.		Beautiful speciment of windo tracery in this training. Resetud in 1325 A.D	The exteriors are very weeden in Carisdy distrible demination, although in stone) the interior columns covered in the man classicals manufile.
Jame Mariid at Bifefree, in 1337'th A.D.		Same Maryin at Anneador dead Bonday, O need a Mingray at Microspher, Americana Maryine at Sticklet Tembe and Maryine at Sticklet marked by mice, June Alexandriched	Harry, sarr Almerican. Harry, sarr Almerican. Temb of Synd Omenn, Abmorabel. Trans of Mohamil Degerra. Trans of Mohamil Degerra.	Moone of Mohafia Khare, Ahmedaland, The Rats Sifes Manper, Ahmedaland,	Dencested Morgan in the Patent at Atmendation of Atmendation of Atmendation Income Teacher, Brime Margid at Carcher, Brime	hay. Jaina Temples at Muddidit. in Kamata, Henday.

Bombay Presidency-contd.

Principal Ancient and drebitectural Buildings, Sec -contol.

	1110		ž		- 4		i	Lapola Savad	3.4	100	,	Î
	Drawings or	THE PERSON NAMED IN	See Bargon.	Ditto.	See Burgess.			See Mr. Hope's book on Sarad & Breach	See Hurgan	See Fergusses	Sen Burgons.	
	Photographia	Has been pluto-	Ecchped	None	3	None	Has been photo-	graphed. None	Has been photo- praphed.	4	Have been pho- tographed.	
TOURS OF THE PERSON NAMED IN	Fortocations	film.	-	1	40.00		-	ŧ	11	1		
No. No. No.	Preservation.	Apparently fair		1	Rained	. Has been injured in many places.	-	le falling into a Gla- polated condition. Reputs wanted.	Ruined.	Requires preserva-	1	
Security of Control	Canady.	THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S	310000	A few priests sleep in the temples and teep the place dean.	-		-	Quarter by Michan- quarter by Michan- madan mendicants.	None known	Requires custody,	79900	
	General characters	A handering carried stress pillar .	Amongst these is the famous Sem- suith temple.	Numbers of temples and shrines some as early as the eleventh century and as late as the present century.	Very elaborate Jain temple.	Built by Mohammad Shah in Most smed 1481 A.D. cash to be very taste- ful decoration.	A modern hullding	Probably built before A him of Shah; built of store with dimms, and is a line specimon of an unity mosque, constructed out of the materials of overthrown Hindu bumples.	10 😑	Date eighth or mith, coutury; # Requires custody Requires preserva-	There are these cares, interruting for their architectural dentals and sculptures; 573-700 A.B.	
	Name of fruitfing of group of huidings.	Julia Stantba or Pillar at Germanicary in Kanara.	Jains Temples at Great, near Puttan Sonnath, Kathawar.	Jain Temples at the morning ofly of Sutraniya, mear Pull- tann in Kathanan.	Nawlablus Temple at Gunti, Kathingar,	Jane Manjid of Champunir in Guetrat.	Tomb of the Nawab of Juna giber to Kathiawar,	Janu Majid at Broach	Old Temple at Gop-Kathiawar, Brahminical Temple of Paper nathing Percebind or Pertud- kal, in Dharwar, Bombuy,	Deavidles Temple at Patrad- ked, in Dharwar, Hombay,	at Badam, in Dharwan, Bonday,	

	See Burgess.	See Burgetta	Nose,	See Burgent.		None.	1	Name.	Har been photo- Dotalls would be graphed, when the		- 1	None.	None,
Hat been photo: graphed.	-	1	Nome	- 1	1801	None	1	Nom 1			-	None	None
1			1	4	ŧ	E	Territor.			Second of Re-	1657.		
***	1			The second	In charge of Execu-	Rataugith		Ī			Much curred.	No Information	Preservation neces-
1			ls in a dispidand and fifthy state.	-	Cuntody dealerable	No information	I	No information	In castady of the Multamandam at Tatta.		1	Occupied by Say- yids, and complex- ed way sacred.	No custody 1 a guar- dian much wanted.
An elegant ston column	end Divided Co.	TOTAL STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	-	-	Worthy of repair and preserva-	Apparently a mult Jain tomple converted into a mongan a citis out for its carved weeden juliars.	No information	Built 1359 A.D.; both managed and minusets are decorated with sprintings covered with Accept	The frush of Navab Amer Khan, 16473 is of brick, communical with boautful coloured tiles.		Beautiful spezimen of Jain Archi- becture of the righ contacy.	Rull of first rate brick , protused by theorems of the coloured tiles, built about 1340 A.D.	Date 557 A.D. 1, covered with tiles No custody ; aguar. Preservation seems impossible of all colours and patterns. disa much wanted. 1877.
Despita or Stone Lamp Port. An elegant atom celumn at Distrem. Bending.	Jain Chatri at Manders, Karth.	Jain Temple at Badrawar,	Tomb mar the Mosque of Mera Sham at Sund.	Jahr Temple at Kedar, man- Blue, Kach,	Mosque at Emblole in the Retnagro Zilla.	The Musuble Mesque at Ran- del, Surat.	Buddhiit Cave Temples at Katarh, to mine scath of Salars.	Jam Marjid at Kararh	Manyon and Tombs of Tatto in Sind (duting A. D. 1572-1840), Rembuy.			Lal Shaft Bar, a Mariel in the conflicting quarter of Schwan to the Karachi Dieniet.	Kwaja Kize Jind Pie at Sohri on an Idana opposite Salitar
											w	-	

Appendix B.

List of some Historical British Monuments and Memorials worthy of preservation on account of their public interest.

(Revised.)

Bengal.

 The Ochterlony Monument on the Calcutta maidan; built in 1825 in honour of Sir David Ochterlony. The column is of plastered brick.

 Pedestrian statue of Lord William Cavendish Bentinck, Governor General; erected in 1835 in front of the Calcutta Town Hall; bronze.

3. Pedestrian statue of George, Earl of Auckland, Governor General; erected in 1848; inside the Edea Gardens, Calcutta; bronze.

4. Pedestrian statue of Sir William Peel, Calcutta; white marble.

- 5. Equestrian statue of Henry, Viscount Hardinge, on the Calcutta maidan; bronze.
- Equestrian statue of Sir James Outram (by Foley, 1874), Calcutta; bronze.
 Statue of the Marquess of Hastings (in the Dalhousie Institute), Calcutta.

8. Statue of Lord Lawrence, Calcutta.

 Pedestrian statue of Thomas George, Earl of Northbrook, by Bodim, in front of High Court, Calcutta; erected 1878; bronze.

11. Lady Canning's tomb in St. Paul's Cathedral, Calcutta.

12. Statue of Bishop Heber, by Chantry, in St. Paul's Cathedral, Calcutta.
13. Monument to Earl Elgin in St. Paul's Cathedral, Calcutta, by Gilbert Scott.

14. Pedestrian statue of the Marquess of Wellesley in Government House, Calcutta, by Bacon; marble.

15. Equestrian statue of Charles John, Earl Canning, by Foley; erected 1877 on the Calcutta maidan; bronze.

 Pedestrian statue of Warren Hastings, by Westmacott, in the Calcutta Town Hall; white marble.

17. Equestrian statue of Lord Napier, facing Prinsep's Ghât, Calcutta.

18. Lady Canning's tomb in Barrackpore Park.

19. Cenotaph in Barrackpore Park, erected by the Earl Minto, containing the following mural tablets:—to the memory of officers who fell at the conquest of Java, (810-12; also to the memory of officers who fell at the conquest of the Isle of France, 1810; and to the memory of the officers who fell at Maharajpore, 1843.

20. Cenotaph close to the Judge's kutcherry at Bankipore, erected in memory of Major Knox, who in 1760 relieved Patna when besieged by the

Emperor Shah Alum.

21. Tall stone shall in Patna City, erected in memory of 48 servants of the
East India Company and too European soldiers massacred by Mir
Kassim Ali, Subadar of Bongal, when the British were marching to
the rescue of their countrymen in Patna in 1763. Among the victims
were Mr. Ellis (Resident of Patna) and Messrs, Hay and Lushington
(Members of Council).

22. Two monuments at Bhagalpur to the memory of Mr. Augustus Cleveland, Collector of Bhagalpur; one of brick, erected by the district landholders, and the second of stone, sent out by the Court of Directors

from England.

Bengal-could

23. A small cross in the disused burial-ground enclosed in the Bhagalpur racecourse, erected to the memory of officers and men of Her Majesty's 3rd Buffs, interred in 1828.

24 Monument at Chattra to commemorate some soldiers who fell in combat

with mutineers, 1857 (Hazaribagh District).

25. A tomb at Arrah to the memory of soldiers of Her Majesty's 35th Regiment who fell in the Shahabad District on the 23rd April 1858.

26. Three monuments on the west and three monuments on the north side of Khurdah to the memory of officers and men who fell during the Khurdab rebellion (Puri District, Orissa).

27. Tomb of Mrs. Mary Hastings (wife of Warren Hastings) and her child in the old cemetery of Cossim Bazar (Murshidabad District).

North-Western Provinces.

28. Monument at Aligarh to the memory of officers and men who fell at the taking of Aligarh in 1803. 20. Tomb at Aligarh of Major Robert Nairn, 6th Bengal Cavalry, who fell

at the siege of Kutchowra in 1803.

30. Monument at Aligarh to the memory of officers and men who fell during the Matiny, 1857.

31. Tomb of General Gillespie at Dehra Dun.

32. Two memorial pillars erected to the memory of the officers who fell at the storming of the Kalinga Fort in 1814, Dehra Dun.

33. Monument at Fatehgunj near Bareilly to the memory of the officers and men who fell near Fatehgunj against the Robillas in 1794.

34 Tomb of the late Mr. Thomason, Lieutenant-Governor, North-Western Provinces, in the Churchyard of Christ Church, Bareilly,

35. Four masonry Lions on the Ganges Canal at Saharunpur.

36. Touch of General Fraser in the Muttra cemetery.

37. Tomb of Lieutenant Burlton near the cite of the old cemetery at Bulandshahr.

38. Tomb of Lieutenant Home in the Bulandshahr cemetery.

39. The memorial cross in memory of those who were murdered in the Mutiny at Shahjahanpur.

40. Tomb over the graves of Captain A. Giffard and Volunteer Trooper.

A. Curran in the village of Mainmamaha, at Basti.

41. Tomb of Mr E. F. Venables in the old cemetery at Azimearh. 42. Tomb of Captain H. H. Jones in the Public Gardens at Azimgarh.

43. A monument at Hallia in Tappa Uprandh in memory of those who fell in the battle of Bebarrah Churri, A.D. 1811, Mirrapur District,

44. Two graves of Indigo planters, close to Gopiganj on the grand trunk road, Mirzapur District.

45. Tomb erected to the memory of some British officers killed during the Mutiny at Fatchpur.

46. Tomb to the memory of Colonel Thomas Sydney Powell, Colonel of the 53rd Regiment, at Fatchpur.

47. Monument erected to the memory of the officers and men of General Whitlock's force who fell during the Mutiny, at Banda.

48. A memorial stone in the Alfred Park to the memory of Quarter Master

Sergeant R. Watkins, murdered by the mutineers, Allahabad.

49. A stone in the Kydganj cemetery, beneath which were laid the remains of 7 officers of the 6th Native Infantry who were murdered during the Mutiny, Allahabad.

North-Western Provinces-confd.

30. A monument in memory of Major Penkney, late Commissioner of Ihansi.
51. Tomb of Licutenant-Governor the Honourable John Russell Colvin at the

Palace of Agra.

52. At Goverdium a massive monolith bearing an inscription setting forth that Colonel Seymour, C.B., will punish any soldier who shoots game in the neighbourhood.

53. Monument at Aligarh to the memory of Ensign Marsh and others killed

on the Agra and Aligarh road in 1857.

54. Tombs at Shewalaghat, Benares, of 3 British officers who were killed in the disturbance of Rajah Cheyt Singh.

35. Memorial cross at Fatchgarh in memory of those who fell during the

Mutiny, 1857.

56. Tomb in Cawnpore Memorial Church compound erected to the memory of Major Vibart and 70 officers and men who escaped from the massacre at Cawnpore in June 1857 and were captured and murdered at Sheorajpur.

57 Tomb near the Cawnpore Church erected by the Memorial Church Committee over the remains of those that were first killed in the en-

trenchment in June 1857.

58. Well in the Memorial Church compound covered with a stone and inscription.

59. Large stone cross at the barracks, Cawapore, erected over the well in which those that lost their lives in the entrenchment were buried in 1857-60. Statue (by Marochetti) and enclosure over the well in the Memorial

Gardens, Cawnpore.

6r. Memorial at Azamgach erected to the memory of the officers and men who were killed at the battle of Azamgach.

62. Mausoleum of Lord Cornwallis at Ghazipur by Flaxman.

63. Monuments at Jhansi in memory of those killed in the Mutiny, 1857.

Oudh.

64. The space in front of the Tarawali Kothi, where two parties of Europeans were murdered in 1857; a memorial has been put up to commemorate these massacres, almost on the spot where they occurred.

65. On left of "Güsainganj" Road, about § mile from "Dilküsha," and on this side of bridge, over "Pangri" Nullab-Lieutenant Percy

C. Smith, 97th Regiment.

 About fifty yards on left flank of "Dilkiisha" in an enclosure, Major the Honourable Barrington R. Pellew and Ensign L. E. Cooper,

and Battalion, Rifle Brigade.

67. In rear of the General's house, Captain Charles William McDonald, 93rd Highlanders; Lieutenant Lowick Emilius Cooper, 2nd Battalion, Rifle Brigade; Lieutenant Charles Warden Sergison, 93rd Highlanders; and Charles Evans, 93rd Band.

68 In the "Belatibagh," Captain H. Hutchinson, 9th Royal Lancers; Sergeant S. Newman, 9th Royal Lancers; and Mr. Henry B.

Garvey, Acting Mate, Her Majesty's S.S. Shannon.

69. In rear of the right flank of "La Martinière"—Captain W. S. R. Hodson, of Hodson's Horse; Captain L. D'Acosta, 50th Native Infantry. Lucknow.

Oudh-contd.

70. Under a tree on the left of the road going from "La Martinière" to "Wingfield Park Bridge"-Lieutenant Augustus Otway Mayne, Bengal Artillery.

71. About lifty yards on the left of "Secundrabagh "-Lieutenant Francis

Dobbs, and 5 privates of 1st Madras Fusiliers.

 Off the road between "Mushidzadi's Tomb" and the Kaiserbagh— Captain T. Clarke, R.E., Lieutenant E. P. Brownlow, R.E., Corporal F. Morgan, Lance-Corporal J. Davies, and 12 Sappers,

73. At "Secundrabagh" Bridge on the left bank of "Gumti"-Lieutenunt W. R. Moorsom, 52nd Light Infantry, Deputy Assistant Quarter Master General, 1st Division.

74. About 24 miles on and close to the left of "Fyzabad" road-Captain W. F. Thynne, 2nd Battalion, Rifle Brigade.

75. About 150 yards off the right of the "Fyzabad" road, at 50 yards beyond the bridge over the "Gokral" Nullah—Charles Sandford,

late Captain of the 3rd Bengal Light Cavalry.

76. Old cantonment cemetery, 3 miles on the "Sitapir" road to the right-Lieutenant F. G. MacDonald, Adjutant, 2nd Punjab Cavalry; Lieutenant H. G. Richards, 3rd Battalion, Rifle Brigade; and Lieutenant Robert Daily Synge, 90th Light Infantry.

77. About 50 yards to the right of the "Sitapur" road at the 4th milestone, the 46th Regiment, Cholera Graveyard-Private W. Aston,

46th Regiment.

78. At the "Musabagh"-Captain T. Wale, 1st Sikh Irregular Cavalry.

79. About | mile off the " Malliabad" road between it and " Musabagh" -Major John Griffiths Price, 2nd Dragoon Guards (Queen's Bays).

80. The 97th Regiment Graveyard on the river road, 1 mile from the Fort, Ramaki Darwaza-Sergeant W. Smith and Sergeant G. Smith, 97th Regiment; Assistant Surgeon W. Dumbreck, 97th Regiment.

81. Steeple monument on the top of "Hazratgani" near "Kaiserbagh" -Sir Mountstuart Jackson, Bart, Captain Patrick Orr, Lieutenant G. J. H. Burns, 1st Bombay European Fusiliers, Sergeant-Major Morton; on other side G. P. Carew, Esq., Mr. Greene, Miss Jackson, and others, victims of 1857.

82. In the "Alambagh"-Major T. Perrin, Lieutenant N. G. J. J. Nunn, and M. Preston, 90th Light Infantry; Lieutenant Dundas W. Gordon, Bengal Artillery; Henry Ayton, 84th Regiment;

Major-General Sir H. Havelock.

83. Tomb about 32 miles off the left side of the "Sitapir" road between the 7th and 8th milestones.

84. Old "Murriagn" Cemetery and Roman Catholic Cemetery in rear of the "Pussunt" (Revenue or Customs) "Kaiserbagh."

85. Two tomb-looking enclosures—one close to the right side of the "Sitapur road," about the 8th milestone, nearly opposite the Travellers' Bungalow; the other on the Artillery side of the road, running between their lines and the Lancers.

Lawrence's tomb —Residency.

87. Cross to those who fell in the defence-Residency.

88. Memorial to the faithful sepoys of the Bailey Guard, outside the Bailey Guard.

89. The "Sher Darwara," where Neill fell.

Ough-contd.

90. Tomb of Mr. Ravenscroft, murdered at Bhinga, Oudh, 1823.

91. Tomb of the Honourable Adrian Hope, C.B., Lieutenant-Colonel, 93 Highlanders, Hardoi.

92. Graves of Lieutenants C. Douglas, A. Jennings Bramley, and H. Willoughby at Hardoi.

93. An enclosure at Kusaura containing the graves of two children of W. G. Probyn, C.B., Hardoi District.

04. Grave of Major Robertson at Baraman, Hardoi District.

95. A monument erected in memory of certain victims of the rebellion of 1857 at Khern

Punjab.

of. Mackeson's Obelisk-Peshawar.

97. Bilaspore monument four or five hundred yards to the East of Rottem Ghar, to Captain Showers, 1-10th Bengal Native Infantry, killed storming the Malown Heights, 15th April 1815.

98. Also to Licutenant Lawtis, R.E., rude tomb of stones; a monument

was erected to him in the Cathedral Church of Calcuttu.

99. Lieutenant Thackery, 26th Native Infantry, killed at the siege of Jeytuk; his tomb on the bank of a tank at Nahun. This monument is a lofty pyramid on a pedestal without any inscription; there are three other graves.

roo. Masonry pyramid and inscription to the memory of Colonel Canara, who fell in 1848 while defending his guns against the rebel Sikh

army at Harripur.

101. Cemetery at Gujrat in which officers and men killed in that battle are interred.

102 Grave of Lieutenant Boulnois, Bengal Engineers, in a bastion of Fort. Michni, assassinated by Mohmunds in 1852.

103. Cross in memory of Sir Donald McLeod at Lahore.

104. In front of the Delhi Church is a massive marble cross, sacred to the memory of those who were massacred in Muy 1857.

105. The Delhi magazine rendered famous by the intrepid Willoughby.

106. John Nicholson's grave in the cemetery, Delhi, facing the Kashmir Gate.

107. Flag-Staff Tower, Delhi.

to8. The monument on the Ridge, Delhi.

ing. Monument and formtain in memory of General John Nicholson, who fell at Delhi, 1857, at Margulla, between Rawalpindi and Attock-

110. Memorial monument of the siege of Delhi, 1857; Delhi.

111. Monuments to the officers of the several Regiments who fell at Ferozeshah in the Ferezpur cemetery.

112. Battle-field monument at Mudici, Ferozpur,

113. Battle-field monument at Ferozeshah.

114. Battle-field monument at Sobraon.

115. Tomb of Sir Henry Durand at Dera Ismail Khan.

116. Monument in the Public Garden, Gurdaspur, to the soldiers killed in the action at Trimin Ghat, 1857. 117. Memorial Irish Cross, Chilianwalla, detailing the names of officers killed in

the battle.

rt8. Monument in a garden at Gurdaspur to the soldiers who died of wounds received at Trimin Ghat,

119. Tomb of Lord Elgin at Dhurmsalla.

Punjab---ntd.

120. Monument in memory of those killed at Hissar in 1857.

121, Memorial at Montgomery of Leopold Oliver Fitzhardinge Berkely, Extra Assistant Commissioner, killed in 1857.

122. Monument over the bodies of officers killed at Chatrian, Sirsa District, 1857.

124. Battle-field obelisk at Aliwal, Ludhiana.

125. Monument erected in memory of Mr. Vans Agnew and Lieutenant William Anderson, at Multan, in the Fort; also Tablet in the Idgah at Multan to the same.

Maisur.

126. Equestrian statue of Lieutenant-General Sir Mark Cubbon, Commissioner of Maisur and Curg (by Marochetti), in front of the Maisur Government offices, Bangalore, bronze.

127. Cenotaph of the officers who fell at the siege of Bangalore, 1793.

128. Cenotaphs at Bangalore to officers and men killed in the campaigns of

1791-92 and 1799.

- 129. Monument at Seringapatam to Richard, Marquess Wellesley, K.P., Governor General of India, erected by Krishna Raja Wadayer, Bahadur, 1804.
- 130. Monument to Josiah Webbe, erected by Purmah Diwan at Seringapatam-131. Monument at Sabbal Rani Hill, Seringapatam, to the officers of H, M.'s 12th and 74th Regiments killed or died during the siege of Seringapatam, 1700.

132. Tomb of Captain Onslow Gore, an Engineer Officer who fell at the buttle

In the Town Hall,

Bombay.

of Arikere in the Manjarabad Taluq, Hassan District, 1800.

Bombay.

133. Statue of Sir Charles Forbes.

134. Statue of Hon. Mountstuart Elphinstone.

135. Statue of Sir John Malcolm.

136. Statue of John, Lord Elphinstone.

137. Sitting statue of Mr. Stephen Bahington.

138. Statue of Sir Bartle Frere.

139. Sitting statue of Mr. Charles Norris,

140 Sitting statue of Sir Jamsetji Jejibhoy.

142. Sitting statue of the Marquis Garden enclosure of the Elphinstone Circle, Bornbay.

143. Sitting statue of Her Majesty Queen Victoria on the Esplanade, Bombay.

144. Statue of the Prince of Wales.

145. Statue of Prince Albert.

146. Statue of the Honourable Jugganath Sunkersett, in the Fort.

147. Statue of Sir Jamsetjí Jejíbhoy, Bart., Jamsetjí Jejíbhoy Hospital, Byculla. 148. Memorial marble tablets of the officers and men who fell in the Afghanistan and Sind campaigns, on the walls of the apse and chancel of St. John's Church at Colaba.

140. Old Dutch tombs at Ahmedabad

150. Monument in the wall of the town of Ahmadnuggur, naming those who fell at the storming of the city in 1803.

151. Monument at Koregaum, near Pana, to the 2nd Bombay Grenadiers.

Bombay-contil.

152. Grave in Kanara of Lord St. Maur, son of the Duke of Somerset, killed in 1865 by a bear at Kirwatty, near Yellapur, 153. Grave in Kanara of Lieutenant Carpendale, who died at Yellapur while

surveying the Arbyle Ghaut Road.

154 Memorial cross at Pana to Lord Frederick FitzClarence.

155. Monument at Kawulkad, Kanara, in memory of Lieutenant John Edgar Leslie, Madras Native Infantry, who died in service on 20th March 1845. 156. Tomb at Murkwad, Kanara, in memory of Lieutenant Mortlock.

157. Monuments at Aden over the officers and men who fell at the capture of Aden in 1830. 158. Tomb of John Thackeray, Collector and Political Agent, killed at Kittur

in 1824, during the insurrection, at Kittur in Dharwar.

139. Wooden cross with metal tablet bearing Latin inscription in the" Mula's Ward" of Surat-marks site of ancient Capuchin Chapel.

160. Oxenden Mausoleum, Surat.

161. Tombs at Surat of Gerald Angier (supposed) Bernard Wyche, F. Breton, H. Gary, and B. Harris; former Presidents and merchants of Surat.

162. Tomb of Van Reede, Dutch President of Surat, and other Dutch tombs of same epoch, near the preceding.

163. Tom Corvat's tomb-old European burial-ground, Swall, near Surat.

164. Vaux's tumb on right bank of Tapti, not far from its mouth-near Surat.

165. Tomb of Brigadier David Wedderburn, killed at siege of Broach, 1772, near North-Western bastion of Fort Broach.

166. Tomb of Captain William Sempil, killed at Broach, 1803, near village of Pejalpur, Broach.

167. Tomb of M. Francais Montreaux, a Portuguese officer, who seems to have taken part in siege of Broach, 1803, near the preceding.

168. Dutch tombs-about one mile west of Pejalpur, Broach.

Sind.

169. Tomb of Edward Cooke, with peculiar inscription, 1743-Tatta in Sind.

170. Old European burial-ground on Bandar Road, Karachi.

171. Napler Obelisk (1853) in memory of Sir Charles Napier-Napier Mole Road-Karachi.

172. Monument hearing names of officers and men who fell on the battle-

field of Miani, Haiderabad, Sind.

173. Monument-in Government House grounds, Karachi, erected by Sir C. Napier to memory of officers and men, 22nd Regiment, who fell in the Sind campaign.

Rajputana.

174. Bust with inscription at Ajmir of the late Colonel Sutherland

175. Monument of red sandstone erected to the memory of Lieutenant-Colonel John Ludlow, C.B .- 1822 at Barod-Kotah State.

176. Tomb of the late Colonel Dixon in the Beawur cemetery (Ajmir-Merwara), 177. Tomb in the old cemetery, Jaipur, to the memory of Mr. Martin Blake,

B.C.S., Assistant to the Governor General, Rajputana, murdered at Jaipur on the 4th June 1835.

178 A large monument at Lalsot, 24 miles to the north of Dosa, Jaipur State, erected to the memory of an officer (name unknown) who died there.

tro The Hastings Bridge erected in 1818 by Colonel Tod 6 miles east of Kotah in commemoration of the victory over a body of Pindaria.

Rajputana-contd.

180. Monument near Mangrol (Kotah State) to Lieutenants Clarke and Read of the 4th Regiment, Bengal Light Cavalry, killed in a fray with the forces of the Maharao Kisbori Singh, 1821.

181. Monument in the Kotah graveyard in memory of Brevet Major C. A. Barton and two sons killed in defending the Residency against mutineers, 1857.

Central Provinces.

182. Monument and tombs in the Sitabuldi Hill Fort to the memory of officers killed at the battle of Sitabuldi in 1817.

183. Grave at Bera Ghat, 9 miles from Jubbulpur, of a gentleman who while in a boat on the Narbadda jumped into the river to save himself from bees and was drowned.

184. Monument at Saugor in memory of General Wallace; General Sir T. Ambury, K.C.B.; C.A. Molony, B.C.S., Agent, Governor General, Saugor and Narbadda Territories; E. W. Cockerell, B.C.S., Assistant to Agent, Governor General, Saugor and Narbadda Territories.

185. Cross at Karinjia, Mandla District, erected in 1867 in memory of missionaries who died there.

186. Graves of officers and men who fell at the siege of Chanda, 1818, at Chanda.

186a. Masonry grave at Sahbhatta in the Patna State, bordering on the Sonpur State, Sambalpur District,—said to be to an officer in command of troops proceeding during the last century from Cuttack to quiet a disturbance in the Bora Sambar Zamindari.

1866, Masonry monument at Semrapali, Sarangarh State, Sambalpur District, to A. C. Elliott, who died in 1778 on a Political Mission to the Raja of Naguur.

British Burma.

187: Graves at the Shive-Dagsu Pagoda, Rangoon, of officers and men killed at the storming of the Pagoda in 1852.

188. Graves at the Botatoung Pagoda, Rangoon, of officers and men who fell or died in the second Burmese War, 1852-53.

189. Tombs on the platform of the Shway Dagone Pagoda, Rangoon, of officers killed in the operations, 1852-53.

Haiderabad, Deccan,

190. Assaye battle-field monument (43 miles north-east of Aurangabad), 1803.

Assam.

191. Memorial at Cherra Punji to the memory of David Scott, B.C.S., Agent to the Governor General, who died 20th August 1831.

192. Monument of plastered stone with a tablet at Nongkhlao in the Khasi Hills, 35 miles north-west of Shillong, to Lieutenanta Bedingfield and Burlton, massacred by Khasias, 1820.

193 Stone cairn at Kohima to the memory of Mr. G. H. Damant, B.C.S.,

treacherously killed by Nagas, 1879.

194. Memorial stone at Khonoma to the memory of Mr. G. H. Damant, B.C.S. 195. Memorial stone at Khonoma to the memory of Major Cock, killed at the

attack on Khonoma, 1879. 196. Tomb at Goalpara to Lieutenant Cresswell, died of a wound received in action against freebooters in Kamroop, 1794.

Madras.

107. Equestrian statue of General Neill, 1st Madras Fusiliers-Mount Road; bronze.

198. Monument in the Island at Seringapatam to the memory of Lieutenant-Colonel William Baillie, who was taken prisoner at Perumbakum, 10th September 1780, and died at Seringapatam in November 1782, erected in 1816 by his nephew, Lleutenant-Colonel John Baillie, Resident at Lucknow.

199. Statue of the Rev. Mr. Schwartz by Flaxman in the church at the little

Fort, Tanjore.

200. Tower on the coast at Saluvannikpatnam (Tanjore District) erected by the late Rajah of Tanjore to commemorate the battle of Waterloo.

201. Monument on the Red Hills west of Pondicherry to Major Stevens, Chief Engineer, killed in the trenches during the siege of Pondicherry, 1778. 202. Obelisk at Kotta Kuppam, north of Pondicherry, over graves of soldiers

killed at the siege of Pondicherry, 1760.

203. Cenotaph at Tirukoilur to the memory of Arthur French, M.C.S., who died at Cuddalore in 1823.

204. Monuments to officers who fell or died of wounds received at Panjahum Kurichi, 1799-81, at Vellaram, Tinnevelly District.

205. Equestrian statue of Sir Thomas Mimro, once Governor of Madras,

middle of Island at Madras; bronze.

206. On the parade-ground facing the Council House at Madras, stone canopy covering a large pedestrian marble statue of the Marquis of Cornwallis on a marble pedestal, decorated with groups of figures in alto-relievo, representing the surrender of the sons and suite of Tippu Sultan.

207. Monument at Patti Konda built in memory of Sir Thomas Munro, erected

on the spot where he died of cholera,

goS. White marble statue of Sir Thomas Munro-Fort Church, Madras,

200 Cenotaph to the Marquis of Cornwallis, enclosed by an iron railing cast from the cannon taken at the siege of Seringapatam, 1700; by the troops under his command-Mount Road, Madras.

210. Cenotaph to Colonel Dalrympic-Parade-ground, St. Thomas' Mount,

Madras.

att. Obelisk in memory of General Sydenham-St. Thomas' Mount, Madras. 212. Granite column to Colonel Noble, C.E., erected by the men of the Horse

Artillery-St. Thomas Mount, Madras,

213. A half-length marble bust (by Chantrey) to Colonel Noble, C.B., placed by the officers, Royal Horse Artillery, in the Church, St. Thomas' Mount, Madras.

214. Madras Memorial Hall-erected by public subscription in memory of the

Madras Presidency not joining in the Sepay Mutiny of 1857.

215. "Lal Bagh" Seringapatam, a mausoleum built by Tippu Sultan for his father, and in which he also was buried. The folding doors inlaid with ivory, were the gift of Lord Dallmusie, and the Mausoleum is supported at Government expense.

316. Momments to Colonel Brown and Captain Histop, killed in the battle of

Pullalore, Conjeyeram, 1781.

217. Monument on the Racecourse, Guindy, to the memory of Major Donald Markay, who died in 1783.

318. Cyclone Monument in the Fort at Masulipatam to the memory of those who perished in 1864

Appendix C.

Catalogue of works of Reference bearing on Indian and Oriental Architecture, Art, and Archwology.

(Revised.)

(I)

Catalogue of Books, &c., bearing on Indian Art.

ALEXANDER (JAMES EDWARD).—Travels from India to England; comprehending a visit to the Burma Empire, and a journey through Persia, Asia Minor, European Turkey, etc., in the years 1825-26. Illustrated with maps and plates.—410: London, 1827.

Annestey (George Viscount Valentia).—Voyages and Travels to India, Ceylon, the Red Sea, Abyssinia, and Egypt, in the years 1802-06. By George Viscount Valentia. Plates and maps.—3 vols., 4to: London, 1809.

ATKINSON (E. T.).—Statistical, Descriptive, and Historical Accounts of the North-Western Provinces.—Vols. I to VI, and vol. X, North-Western Provinces Government Press, Allahabad, 1874-

ATKINSON (JAMES).—Sketches in Afghanistan, by James Aikinson, Esq. [lithographed plates by Louis and Charles Haghe].—Folio: London, n. d., 1842.

ATHANASIUS NITIKINS.—Travels in the Dercan, 1470. Translated by R. M. Mayors, Esq., Halduyt Society.

BELNOS (MRS. S. C).—The Sundhya or the Daily Prayers of the Brahmins.

Illustrated in a Series of Original Drawings from nature, demonstrating their attitudes and different signs and figures performed by them thring the Ceremonies of their morning Devotions, and likewise their Poejas, etc. In 24 [coloured] plates, by Mrs. S. C. Beinos.—Imp. folio: London, 1851.

Belinos (Mrs. S. C.).—Twenty-four plates, illustrative of Hindu and European Manners in Bengal. Drawn on stone by A. Colin, from sketches by Mrs. Belinos (text in English and French).—Folis: London, a. d.

BIDDULPH (J.), MAJOR.—Tribes of the Hindu-Koosh.— e vol.,—Office of Superintendent of Government Printing, Calcutta, 1880.

BIRD (JAMES).—Historical Researches on the Origin and Principles of the Buddha and Jaina Religions, illustrated with descriptive account of the Sculptures in the Caves of Western India, with Translations of the Inscriptions from those of Kanari, Karli, Ajanta. Ellora, Nasik, &c., which indicate their connexion with the Coins and Topes of the Punjab and Afghanistan. 53 plates.—Folio: Bombay, 1847.

Bigowood (George C. M., C.S.L., M.D., now Six G.).—The Industrial Arts of India. With map and woodcuts. Published for the Committee of Council on Education.—2 vois., large er. 8vo: Chapman & Hall, London,

BLAGDON (FRANCIS WILLIAM).—A Brief History of Ancient and Modern India, from the Earliest Periods of Antiquity to the termination of the late Mahratta War.—Obl. folio: London, 1805.

BREEKS (JAMES WILKINSON).—An Account of the Primitive Tribes and Monuments of the Nilgiris. By the late J. W. Breeks; edited by his widow.— 4to: London, 1873 BROUGHTON (THOMAS DUER).—The Costume, Character, Manners, Domestic Habits, and Religious Ceremonies of the Mahrattas. With 10 coloured

engravings, from drawings by a native Artist .- 4to: London, 1813.

Buchanan (Dr. Francis).—A Journey from Madras through the countries of Mysore, Canara, and Malabar, performed under the orders of the Most Noble the Marquis of Wellesley, Governor General of India, for the express purpose of investigating the state of Agriculture, Arts, and Commerce: the Religion, Manners, and Customs; the History, Natural and Civil, and Antiquities, in the Dominions of the Raja of Mysore, and the countries acquired by the Honourable East India Company, in the late and former wars, from Tippoo Sultan. By Francis Buchanan, M.D. Illustrated, by a map and numerous other engravings.—3 vols., sto:—London, 1807.

Burgess (James).—Archæological Survey of Western India, 1874. Belgaum and Kaladgi Districts. W. Allen and Co., London, 1874. Buddhist Caves at Junnar. Government Press, Bombay, 1875. Provisional Lists of Architectural and other Archæological Remains, Bombay, Sind, Berar, Central Provinces, and Haiderabad. Government Press, Bombay, 1875. Remains at Gumli, Gop, and in Kachh. Government Press, Bombay, 1875. Antiquities at Dabboi, Ahmedabad, Thaa, Junagadh, Girnar and Dhank. Government Press, Bombay, 1876. Kathiawad and Kachh. W. Allen and Co., London. 1876. Translations of Inscriptions in the Belgaum and Kaladgi Districts. (J. F. Fleet, B.C.S.) Government Press, Bombay, 1877. List of remains in Ahmednagar, Nasik, Pana, and Kaladgi. Government Press, Bombay, 1877. Khandesh. Government Press, Bombay, 1878. Bidar and Aurungabad. W. Allen and Co., London, 1879. Kachh. Government Press, Bombay, 1879. Kurrachee, Hyderabad, and Shikarpur in Sind. Government Press, Bombay, 1879. Bauddha Rock Temples of Ajanta. Government Press, Bombay, 1881. Cave Temple Inscriptions. Government Press, Bombay, 1881.

BURGESS (JAMES).-Archieological Survey of Southern India, 1882. Amravati

Stupa. Government Press, Madras.

BURGESS AND FERGUSSON.-The Cave Temples of India .- London, 1880.

BURMESE WAR, THE.—(Eighteen coloured views taken at and near Rangoon, by Lieutenant Joseph Moore, 89th Regiment; and six coloured engravings illustrative of the combined operations of the Forces in the Burman Empire, 1824 and 1825. Painted by T. Stothard, R.A., from original

sketches by Captain Marryat, R.N.) -Obl. folio : London, 1826.

BURNES (LIRUTENANT ALEXANDER).—Travels in Bokhara; being the account of a journey from India to Cabool, Tartary, and Persia; also the narrative of a voyage on the Indus from the sea to Labore, with presents from the King of Great Britain, performed under the orders of the Supreme Government of India, in the years 1831, 1832, and 1833.—3 volv., roy. 8vo: London, 1834.

CALDECOTT (JOHN).—Description of an Observatory established at Trevandrum by His Highness the Raja of Travancore.—4to: Madras, 1837; London,

1639

CLARK (MRS. H.).—Summer Scenes in Kashmeer. Drawn on stone by J. Need-ham, from sketches by Mrs. H. Clark (12 lithographs).—Imp. folio: Lon-

don, 1858.

COLE (HENRY HARDY) — Illustrations of Ancient Buildings in Kashmir, prepared under the authority of the Secretary of State for India in Council, from photographs, plans, and drawings taken by order of the Government of India. By Henry Hardy Cole, Lieutenant, R.E., etc.-Folio: W. Allen

& Ca., London, 1870.

COLE (HENRY HARDY).-The Architecture of Ancient Delhi, especially the Buildings around the Kutub Minar, by Henry Hardy Cole, Lieutenant, R.E., etc. -Folio: The Arundel Society, London, 1872.

COLE (HENRY HARDY).-Illustrations of Buildings near Muttra and Agra, showing the mixed Hindu-Mahomedan style of Upper India, prepared at the India Museum under the authority of the Secretary of State in Council, from photographs, plans, and drawings taken by order of the Government of India by Henry Hardy Cole, Lieutenant, R.E. - Folio: W. Allen & Co... London, 1873.

COLE (HENRY HARDY) .- Catalogue of the Objects of Indian Art exhibited in the South Kensington Museum, compiled for the Science and Art Department by H. H. Cole, Lieutenant, R.E. Illustrated by woodcuts and a map of India showing the localities of various art industries -8vo: Chapman and

Hall, London, 1874.

COLE (HENRY HARDY) - Agra Exhibition Catalogue - Thomason College Press,

Roorkee. 1867.

COLE (HENRY HARDY).-First Report of the Curator of Ancient Monuments in India for 1881-82 .- Government Central Branch Press, Simin, 1882. Second Report of the Curator of Ancient Monuments in India for 1882-82. -Office of Superintendent of Government Printing, Calcutta, 1883.

COLE (HENRY HARDY).-Fifty-one Photographic Illustrations taken by order of the Government of India, of some selected objects shown at the third exhibition of Native Industrial Art, opened at Simla by His Excellency the Viceroy, 24th September, 1881.—Woodbury Permanent Photographic Printing Company, 157, Great Portland Street, London.

CORDINER (JAMES).—A Description of Ceylon, containing an Account of the

Country, Inhabitants, and Natural Productions; with narratives of a tour round the island in 1800, the Campaign in Candy in 1803, and a journey to Ramistoram in 1804. Illustrated by 25 engravings from original drawings. -2 vols., 4to: London, 1807.

COSTUMES.-A collection of fifty-nine original coloured drawings of Indian

costumes-4to.

COSTUMES, Indian.-Fifty-three original coloured drawings of Indian costumes

CUNNINGHAM (ALEXANDER) .- An Essay on the Arian Order of Architecture as exhibited in the Temples of Kashmir, by Alexander Cunningham. [Plates.]

-8vo: Calcutta, 1848.

CUNNINGHAM (ALEXANDER).-The Bhilsa Topes; or Buddhist Monuments of Central India, comprising a brief historical sketch of the rise, progress, and decline of Buddhism, with an account of the opening and examination of the various groups of Topes around Bhilsa. By Brevet-Major Alexander Cunningham. Illustrated with thirty-three plates-8re: 1854.

CUNNINGHAM (ALEXANDER).-The Ancient Geography of India. 1-The Buddhist Period, including the campaigns of Alexander and the travels of Hwen

Thisang. With 13 maps-Royal 8vo: London, 1871.

CUNNINGHAM (ALEXANDER).-The Stupa of Bharbut or Buddhist Monument ornamented with numerous sculptures illustrative of Buddhist legend and history in the third century B.C. Published by order of the Secretary of State for India. With 57 plates-4to: London, W. H. Allen & Co., Gre., 1879.

CUNNINGHAM (ALEXANDER) .- Notices in the Journal of the Bengal Asiatic Society-

1 -- Volume IX, 1840-

(a)-Notice of some counterfeit Bactrian coins-page 393-(b)-Second Notice of some forged coins of the Bactrian and

Indo-Scythians—page 1,217.

(c)—Notes on Captain Hay's Bactrian coins—page 531.

(d)-Description of some new Bactrian coins-1 plate-page

11.-Volume X, 1841, Description of some Ancient Gems and Seals from

Bactria, the Punjab, and India.

III.-Volume XI, 1842. Second Notice of some new Bactrian coinspage 130. IV .- Volume XIV, 1845. Notice of some unpublished coins of the Indo-

Seythians-1 plate-page 430.

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VI.-Volume XXIII, 1854. Coins of Indian Buddhist Satraps with Greek

Inscriptions-page 079.

VII.-Volume XXXII, 1863. Remarks on the Bactro-Pali Inscription from Tarrili-page 139.

VIII.-Volume XXXII, 1863. Notes on the Bactro-Pali Inscription from Tarrili page 432.

IX.-Volume XXXIII, 1864. Notes on the Bactro-Pali Inscription from

Tarrill - page 35. X .- Volume XXXIII, 1864. Remarks on the date of the Pehewa Inscription of Raja Bhoja-page 223-

XI.—Volume XXXIV, 1865. Coins of the nine Nagas and of two other dynasties of Marwar and Gwalier—page 1.

XII -Volume for 1881. Relies from Ancient Persia in gold, silver, and

copper. XIII.-Volume for 1883. Second Notice of Relics from Ancient Persia in gold, silver, and copper.

CUNNINGHAM (ALEXANDER).-Notices of, in the Numismatic Chronicle of London-

Volume VI, 1843. The Ancient Coinage of Kashmir.

Volume VIII, 1843. An attempt to explain the monograms on the Greek coins of Ariana and India.

Volume VII, 1843. Discovery of the Ruins of the Buddhist City of Sankissa.

Volume for 1867. Coin of the Indian Prince Sophytes, a contemporary of Alexander the Great.

CUNNINGHAM (ALEXANDER) .- Notes on the Mathura Inscriptions translated by Professor Dowson.-Royal Asiatic Society's Journal, 1871, vol. V. CURRINGHAM (ALEXANDER). - Ladak, Physical, Statistical and Historical, with

notes of the surrounding countries.-Imp. 8vo : London, 1854.

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Appendix D.

Reports and correspondence, &c., concerning Ancient Monuments in Madras.

Mr. Grant Daff's tour and official minute.

The tour of the Right Honourable the Governor of Madras in July 1882 gave an impetus to various works connected with monuments of interest in the Presidency. Mr. Grant Duff's minute of the 29th July notices the following:—

(a) The bath at Trichinopoly in which Bishop Heber was drowned (a lists where Bishop Heber tablet has since been crected by the Madras Govern-

was drowned. ment).

(b) The monument of the Missionary Schwartz by Flaxman at Tanjore,

Plasman's monument of mentioned in paragraph 18 of His Excellency's minute as being threatened by the insecurity of the little Fort Church. (Enquiries were directed by the Madras

(c) The ruins in the fort at Arcot made historical by Clive. (Further destruction by the use of the materials for building purposes was prohibited by the Madras Government.)

(d) The ruins of Bijanagar on which in paragraph 33 His Excellency makes
Bijanagar. the following observations:—

"Several persons have lately been appointed at the expense of the Public Works Department to protect these extremely curious remains of antiquity; but it is doubtful whether they quite understand their duties.

Necessity to reside.

Necessity to reside.

Be this as it may, no time about be lost in arresting the further progress of mischief. Arboreal vegetation should immediate attention. If it can be saved at all, it can only be saved by being looked to appendity."

(e) The Vishnavite and Shivite temples at Tadpatri in danger from the floods of the river Pennair, on which Mr. Grant Duff remarks:—

"From information obtained on the spot I am led to believe there are ample funds to prevent any harm coming to these interesting edifices, in the hands of their managers, if they will only use them."

2 During September 1882 I addressed the Madras Public Works De-Grant for Bijanagar ruba. partment on the subject of the repairs to the Bijanagar monuments and was informed that a grant of Ra. 5,000 would be sufficient for present requirements.

3. The repairs to the temple in the Vellore Fort (see page cavil of the Temple in the Vellore Fort. Annual Report for 1881-82) were finished in September, and I received and signed the completion report, which pursuant to the general orders of the Madras Government had been sent to me by the Executive Engineer of the North Arcot Division.

4. On my way to Amaravati in November, I conferred with Colonel Sankey

Special Officer for Madria.

C.B., R.E., in Madras on the subject of the employment of a special officer to undertake repairs to ancient monuments, and Mr. H. C. Black, C.E., was offered, and accepted, a temporary appointment as Assistant Engineer. The General Orders of the Madras Gov-

ernment, Public Works Department (No. 3214 of the 6th December 1882), specified Mr. Black's position as follows :-

"Mr. Black will work directly under the orders of the Superintending Engineer of the Circle in which his work for the moment muy be placed, all much Orders of the Madeus Government and Mr. Black's approximent. estimates as may be framed by him going, however, direct in the first instance to the Curator of Ancient Monuments in

India for transmission to the Government of Madras

* Mr. Black will be supplied from the Public Works Secretariat with the several notes drawn up by Captain Cole on the requirements of the monuments in Southern India, also the papers regarding the rains at Hampi and the Seven Pagodas, and will then proceed to Bellary to commence work at Hampi, where he will as soon as possible prepare an estimate for submitnion to Captain Colo,"

5. I visited Amaravati and submitted the following report:-

Report on the Bondhist Tope at Ameravati.

Memorandum on the present condition of the Americants Tope, dated Masalipatum, the 14th November 1882.

"(1.) I have just returned from a careful inspection of the Buddhist ruins at Amarávati, and have had the advantage of conferring with Mr. Horstall, Collec-Walt to American. toe of the Kistna District, who superimended the excavations ordered by the Duke of Buckingham in 1880. I also met Mr. Mackennie, the Sub-Collector, and Mr. Grant, the Executive Engineer at Amaravati itsell, and am now able to give a description of the remains of the tope and its sculptures, and to offer an opinion on the best rename of preserving them.

"(a) Paragraph 7 of the accompanying report on Amaravati and the panoramic eletch attached to it will explain the condition of the tope after the

Pierfeits report on Amarganti. excavations of 1880 had been completed,

"(3.) Since then Dr. Burgess, Archaeological Surveyor for Western and Southern India, spent apwards of a month, between December 1881 and January 1882. Dr. Berman' work at Assurance. in examining the tope and in selecting and packing those sculptures which he considered worthy of removal to the Madray Museum. These stones, numbering 135, were carried to the bank of the River Kistna, about half a mile north of Amarayati, where they now are in a fewerd suctourse and under the care of a native custodian. It is scarcely necessary to say that the stooms comprise the finest sculptures and the most important historical records of the Great Tope. They appear to me in good condition and undimaged by the record floods. They had been taken out of their cases to be freed from the straw which enveloped them, and, as far as I was able to judge, the action of the water had beneficially cleaned the currings.

"(4) The number of stone sculptures at Amaravati are as follows:-

Number of autotages at Armst-

(a) Sculptures of Dr. Burg (b) Sculptures at the tope-									8 8	175
In a shed to the next Dieto	h in boarn	8/4/8	\$1514	61674	100	100	Tor	*)	1 199	2,85 ,421

Of those that are in rity, i.e. on the circular area covered by the tope and railings, there are several that are undoubtedly in their original places, and from these the position of the railing

and that of the mound, which must have been in the centre, can be clearly traced,

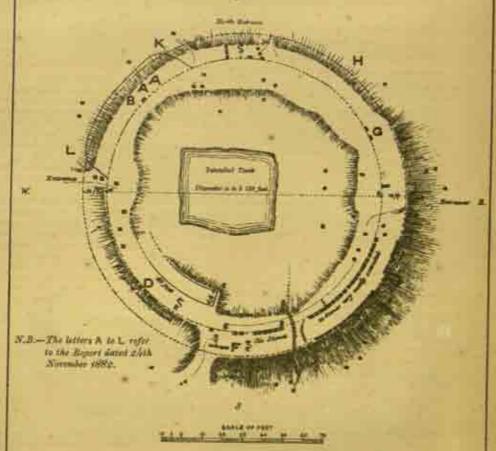
"(5) At the northern entrance nearest to the village of Amaravati is the shed in which are the mones, deposited in 1877 by Mr. Sawell (see sketch and Present when of the runs. references). His excusations extended from K to L along the circumiteract, the remainder of which was excavated by Mr. Horsfall in 1880. Passing round to the west, the stone terrace at the parts marked A is still remaining, although a good deal damaged. At B a portion of the outer rading is in its original position. Further round there is another piece of railing in position (D), and the southern currants (F) may be traced by the pieces of calling and massery which will remain. Passing round to the exit a large stab (i) is evert, and further on it a position of the outer calling H. Besides these stones, which indicate part of the untiline of the original arracture, there are raises smaller fragments and massery dalls in position to complete the demarcation of the railing and allimits of the tops usels. gillioth at the tope itself.

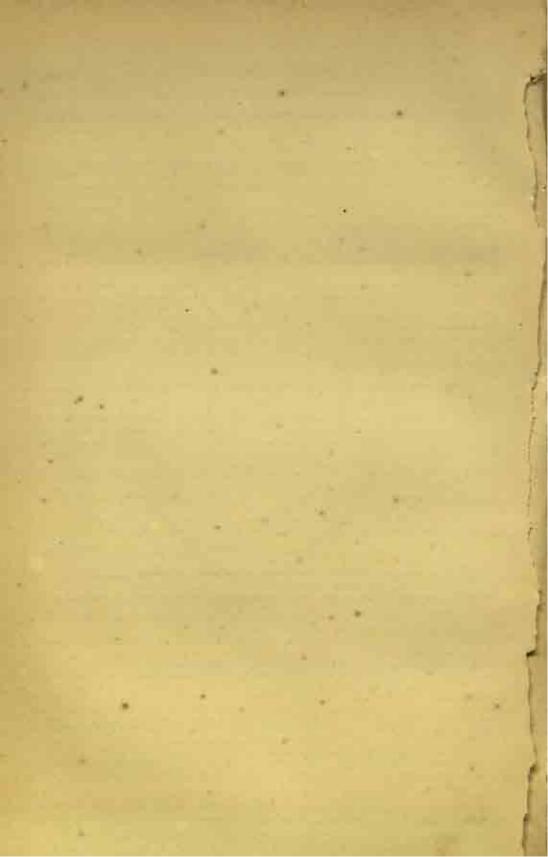
PLAN OF AMRAVATI

MADE IN 1816

Colonal Mackenzie.

35





"(6.) Of the 246 stones recorded as being now at the tope, a small proportion go to make up those that remain fixed in position. A good many he scattered Species at the sets, round and about the emlings, but the greater number are in the centre of the circle, to which position they were conoved for Dr. Burgess' operations.

" (7.) I cannot believe that the shattered condition of the masonry and its carvings can be attributed to the matives of Amaravati, who are mostly Hindus. Original cause of the rate of the It is true that the grandfather of the present ramindar is known to have removed brick and stone from the central mound to build his palace and for the purpose of adding to the temple close to it, but he would have been

simply concerned in getting the material and not in wantonly delacing the sculptures or smarting up the atome blocks. The demolition of the mound, as well as the rain of the surrounning railings and entrances had been effected before we first knew of the tope through Colonel Mackenzin in 1816; I believe that the real destroyers were the Muhammadaux, who, under the iconoclast Alangir, conquered the district and established themselves in the loris of Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kondavilli and Kon of Kondapilli and Kondavid in the neighbourhood.

"Such destruction as Alamgir was wontto deal on all temples of the buted idel-worshippers sould have left the sculptures scattered round the tope. The subsequent demolition of the central mound by the samindar would have covered them up with layers of earth and slehels, to which the subsequent excavation of the tank in the centre (ce, more probably, digging for treasure) would have contributed. I am assured by Mr. Horsfall that the excavation of 1880 overturned no stones from their original places; that the sculptures laid latte were not injured by the process of excavation; and that the central mound had previously disappeared, and no relie or stones were found on its site.

"(10.) The recommendations I beg leave to submit for the conservation of the Amaravati Recommendatures to promotive tupe are as follow :-

"(A) The masonry terrace-rails and fragments now in their proper positions and described al paragraph 5 of this note should be rendered secure. The existing portions of terrace should be relaid on concrete and in cement. The rails should be supported in their places by a solid foundation of concrete and by using iron burs to prop the aprights and hold them in position.

"(B_i) All the fragmentary sculptures should be collected and placed under a permanent shed in the centre of the circular enclosure.

"(Ca) The bank of earth formed round the tope by the demolition of the mound in past years should be gently sloped off so as to prevent the falling in of earth, such as has occurred during the last rains. This will probably lead to the discovery of more stones; two fresh ones had been partly revealed in the bank, and were got out during my visit by Mr. Mackengie, the Sub-Collector

"(D.) A masonry wall 2 feet high should be crossed round the ruins, and have an entrance gate at the north under lock and key.

"(E.) Near this gate should be a small house for the native custodian.

(c2.) Any attempt to restore the structure unless it is possible to ascertain with certainty the former position of particular pertions—is most undesirable, but the majority of the stones are easily identified as being parts of the railing or plinth, and their retention at the Amaravati enclosure would be an in nitu preservation, even if they were not in their original structural positions and were merely placed on the ground so us to be easily inspected and examined.

"(13.) It would be expedient to have all the best Amariwati sculptures photographed; and if the recommendations in this note are adopted, completion Photographs. photographs should illustrate the condition of the tope and the beneficial effect of the numedies. It would, however, be occursory to employ a good professional photographer to take the negatives (which should become the property of Government for printing by a permanent process), as amateur work is usually unsatisfactory and not worth lising for purposes of publication.

"(14-) It will be necessary to charge a special officer with the duty of carrying out the suggestions; and the arrangements will, I hope, be undertaken at Special officer his repairs. nace. The cost, exclusive of casts and photography, will

probably be some Ra. 5,000."

6. Mr. Black proceeded to Hampi, and on the 24th December sent me a Mr. Black's preliminary report and rough estimate for repairing the Virtala estimates for Hamps. Swami temple at Bijanagar, This amounted to

Rs. 870 for cutting jungle, and Rs. 4.237 for repairs to the building. I returned the papers with certain suggested modifications.

7. On the 17th of January 1883, Mr. Black sent a further report on the Vittala Swami temple which I returned with a general Mr. Black's report on the approval of the remedies proposed. Vittala Swami temple.

8. The estimate for cutting down jungle and clearing from brushwood the enclosures to, and surroundings of, the Hampi tem-Estimate for elearing away ples, amounting to Rs. 870, was sanctioned by the Madras Government, and Mr. Black directed to mngs. revise the estimate for repairs to the temple itself in accordance with my

recommendations.

o. A sum of Rs. 5,000 had been allotted for the work out of my budget grant for 1882-83. Allotment for imperial family.

to. The following report by Mr. Black specifies what he has accomplished at Bijanagar:-Mr. Black's report of work at

Bijansgar.

"The outrooting of the jungle on all the buildings has been completed, about 110 buildings in all having been cleared. Some extirpation of roots by means of possoning with mercury remains to be done and is in progress. These roots are chiefly on the high walls surrounding the Muhammadan buildings of the zenana and council rooms, etc., which walls are put together with such accoracy as regards stone-cutting that poisoning with mercury is the only way of drying up the roots.

"The roof of the Vimanah or inner closed hall has been partly removed so as to get at the broken stone beams which supported it. A plan of the roof is herewith sent. It shows the portion destroyed by the Muhammarlans, and also the stone beams which it is necessary to replace. These latter are shown of a darker shade. Five some beams have been chosen from the adjacent ruins to replace the broken ones. These latter are quite plain, being merely squared stone, without any curving, but as the turner beams had but alight carving on them, the new ones will not appear irregular. They have been brought to the work, and ready for hosting into place. Some more of this roof must be taken off to replace the broken beams; but wooden sheepers must be obtained to make low strong stagings under the cracked stone beams. Old sleepers have been applied as from the Southern Mahratta and the Madras Railways; but none were to be been applied for from the Southern Manratta and the Atlanta Railways; but none were to be liid. Undersigned hopes to get about 150 at Madras. No sort of direct propping with peats roadd be strong enough to support the great weight of these stones. Rails have also been applied for from both the above railways, but can only be obtained from the office of the Madras Railway at Madras. About 6 or 8 tons or say 30 or 40 rails are necessary, as so many beams and lines are cracked and broken. The conting of plaster on the roots of the two adjacent temples of Basam and Kallian Manrapas will be put in hand at once. There is

very little leakage through these roofs. " The outside coating of granito ashbir of these walls had separated itself from the inside filling and was falling down. The south-west corner has been taken in hand first, and has been dismantled slown to Walls of closed portion of temple. ground level. It is now being rebuilt and is above the level of the plimb. It is very necessary to do this work quickly and well, as the standing portion is unsupported and in a somewhat dangerous condition. The other parts of the walls which require it will be gone on with at

once. This work is the most important part of the repoirs. Some additions to the temple, which were put up by matives, have been removed. These were a from and brick renter additions. clumsy two-storied shed in the main porch, and a long narrow shed inside the closed hall. The first of these has been entirely removed and the second partially so. Photographic negatives of these two places were taken before work was come moreed. The brick walls in the inside hall have been partly cleared away, but more could not be done until the roof was propped. In clearing out the said hall a rather good studies status was found. It had been exceed at the entrance of the sanctum as a draw-keeper. Perhaps the corresponding one may be also found, in which case they might be set up again. All the hocken debris that was lying in the main peech (see photograph) has been cleared away.

"The surroumling vermidalis of the enclosure have had the stones partly orted out, and about built of the fallen portion can be re-created at a small cost. The parts of these verandahs that are 160 much runned to be set up again might be pulled down so as to leave only the back enclosure wall. One of the photographic negatives (No. 2) shows a portion of the colonnade entirely runned."

"A general plan of Vittala Swami is herewith sent, showing the position of the buildings

in the enclosure and three Gopuras, etc.

" Undersigned has also (considering that it might be wanted) been collecting materials for a short monograph of Bijamagar," *****

11. Mr. Black's revised estimate for work at Hampi amounting to Rs. 18,990 having been referred to me, I returned it to the Mr. Black's revised estimates Madras Government on he of June 1883 with a for work at Bljanagar. general approval of the measures provided for, but recommending the main structure of the Vittala Swami temple to be first repaired. I also offered a grant-in-aid of Rs. 10,000 to supplement the 5,000 provided in the Madras Budget, 1883-84, for preserving monuments, and suggested the following allotments:-

For Hampi									Ra;
	- 1	100		74	100	187	-21	13	4,000
For Amaravati.	10-1		-	- 9	- 8	7.1		10	7,400
Seven Pagodas	100	- 6	- 8						1,000

12. The Madras Government has since sanctioned the estimate for Bijanagar Bijanugar estimate sanc- amounting to Rs. 18,990, which includestioned.

Fittala Swami temple-								Ks.	
Main building .			-	9	24.1	¥		4,650 7	
Colonnades -	10		10		4		74	- 3:550 }	9.520
Subsidiary temples Temple of Victory				1	*		- 3	1,320	100
Queen's Baths		- 2	ů.	1	3			- 300	
Raganath Swami temple	1	- 6	Ġ.	-	18.7		1	500	

(Vide page exxix of Annual Report for 1881-82 for notes on Bijanagar and Hampi.)

13. Mr. Black on the 18th June last forwarded his estimate for carrying out certain repairs recommended by me for the Seven Mr. Black's estimate for Pagodas (see page exili of the Annual Report for the Seven pagodan. 1881-82). This amounts in all to Rs. 2,228.

14. In paragraphs 13 and 14, page exiv of the Annual Report for 1881-82. I described the deserted "Alaiva" or Shore temple Removal of sand from the Alaira temple on the coast at the Seven Pagodan. at the Seven Pagodas, and recommended the removal of sand.

I have now heard from Mr. Black. He writes-

"As the Alaiva temple here I have excavated both sides of the wall of the outer enclosure, The walls are from 6 to 7 feet deep, and the lower portions of them are very perfect, some carved griffins heads (man the base) which were coated with succe being quite sharp and clean, though having been protected by being buried in said. When the walls are quite excavated they will form a most interesting completion to the temple, which is at present rather small and wanting in completeness without the enclosure. The walls are ornamental with the small conventional lon's rampart, which are 50 common on the temple itself, but these are much less weather-worn."

After the determination of what is to be done in the way of preservative measures at Amaravati, it will remain for the Madras Government to say how the available funds are to be allotted.

Necessity for watching the operations at all three places will have to be carefully watched during progress, and certainly inspected once by me during the present year. I do not anticipate very rapid progress, as the funds are limited; the work

requires great care, and the climatic conditions of the three localities are such as to make it only possible for work during certain seasons.

Appendix E.

Reports and correspondence concerning Ancient Monuments in Bombay.

1. In April 1882 a proposal was communicated to me by the Bombay Public Works Department for rebuilding a portion of the Mahratta Palace at Poma. Mahratta Vishrambag Palace at Poona, [which had been burnt, I for use as a high school, in reply to which I submitted an opinion that, unless the original architectural appearance of the old palace was to be faithfully preserved, the project did not appear to me as coming within the scope of preservation of ancient monuments,

2. In May 1882 a Resolution of the Bombay Government in the Public Works Department, No. 326-C.W .- 792 of 1882, Architectural repairs at Bijaordered plans and estimates for the restoration and repair of certain ruins at Bijapur to be taken up as soon as practicable and

submitted in communication with me.

3. The Bombay Government in May 1882 called the attention of the officers and departments concerned to some suggestions Orders of the Bombay Govoffered by me in the following letter, No. 174, dated erament on conservation of ancient monuments. 24th April 1882 :-

"# I would ask to be allowed to see the plans and specifications for carrying out the suggestions contained in the preliminary reports on Bijápor, Ahmedabad, Káril, or Ambarnáth, in order to ascertain what is contemplated or to recommend grants-in-aid from Imperial Funds.

3. The Resolution No. 284-C-W.-Sqr of 1881 of Public Works Department, dated Bombay Castle, 7th July 1881, referring to buildings at Bijapur, directs restoration and repair estimates to be framed in accordance with the views submitted by me to Government. Resolution No. 100-C.W.—277 of 1882 in the Public Works Department, referring to the Vish-finibility Palace at Poona, dated Bombay Castle, 18th February 1883, directed the preparation of a project for restoring the palace. Resolution in the General Department, No. 3048 of the aund November 1881, called for definite proposals from the Collectors concerned in respect of Ahmedabad, Kárli, Amburnáth, &c., and Resolution of the Public Works Department, No. 100-C.W .- 301 of 1882, sunctioned the provision of iron gates to the Karli Caves

"4. It is obvious that unless I am permitted to see such projects, it becomes difficult for one to make any suggestions. As regards Abmedabad, I believe that it will be found necessary to apparent an officer to specially take charge of the public monuments of interest, and the Supreme Government could probably be induced to contribute towards the cost.

"5. I would also most respectfully urge the consideration of Government to the important question of how far huildings possessing beautiful interiors or those of a religious character should be retained for one as offices or as dwellings or stores.

"6. Paragraph 5, page 5, and a note on the Anand Mahal, page 8, of the Bijapus report, and paragraphs 0, 15, 30, 45, and 53 of the reports on Ahmedahad and Karli [see Annual Report, 1881-82], allude to some cases of buildings the appropriation of which will, I submit. invite undesirable criticism among these who take an interest in the conservation of ancient monuments in India. The conversion of temples, mosques, or tembe into dwellings can scarcely be carried our without damage to their architectural appearance, and the provision of such nocessuries as bathing, returng, and cooking rooms either defiles the buildings or brings a trowd of objectionable erections into their vicinity. I should fall in my duty if I control to expects my convictions on these points; but, having done so, I can only hope that they will receive full consideration.

7. I would venture to recommend that photographs be taken to show the condition of buildings before, during, and after remedies for conservation have been undertaken. Many people who now visit the Taj at Agra and admire its beautiful structures and gardens have mi idea of the perture of neglect presented before the repairs were carried out, and so it is with

many other monaments throughout India.

**8. I may also remark that in the course of my experience there has sometimes been insufficient data for carrying our restorations of buildings, mistakes either of omission or commission being the result. No mich cases have come under my notice in Bombay; but to guard against their occurrence it is most exclud to pessess old drawings of buildings made either by natives or by travellers (see, for instance, Antiquities and Views in India from the Drawings of Thomas Daniell (tax in number), published by T. and W. Daniell in Lendon, 1700). Native draw-ings are still procurable, but diligent search has to be made before they come to light. I would recommend that local officials be invited to advertise for old drawings of ancient buildings in the Bombay Presidency, and that a collection be formed which, if sufficiently valuable, could be purchased and published.

"9. In conclusion, I solicit your permission to the communication to me of copies of all papers, &c., relating to works of conservation throughout the Presidency and to particulars of

works sunctioned for execution either in the Civil or Public Works Department.

4. Reports having been referred to me from the Collectors of Poona and Thana on the subject of monuments in their districts, I submitted the following observations to the Bombay Government :-

I have the honour to mention in respect of the Karli Caves that the removal of the

small temple from the front of the entrance is not essential nor recommended.

" It cannot be doubted that the Hindus who frequent the Karb Caves worship the Dagoba inside in ignorance. Similar cases of mistaken identity are to be found elsewhere in India, as for instance at Gayain Bengal, where five placid figures of Baddha have been made to do dury as the 'Panch Panchyas' and are worshipped as such by the Hindus. Government very wisely abstains as much as possible from interfering in matters of superstition, although I sup-pose there would be interference if the Buddhists were present at Karli to protest. Yet I bink the line may be drawn in discountenancing misappropriation of emblems in a case like this, Educated Hindus would, I think, concur in this course. Let the Hindu fishermen venerate the Dagota as much as they like, but they have in my opinion no husiness to paint it as a Lingum, or to white-wash the Buddhist curvings and paint the eyes of the figures black. I should say that the Brahmins would settle the matter and smooth all difficulties in the way of cleaning the carvings of this most interesting rock-cut temple.

** As regards the results at Ambarnath, I quite concur in the views expressed by the Collector of Thans, and hope Government will sanction the measures be particularises. I also support the recommendation that the lease of the Bassein Fort be not renewed, so that the runs may receive preservative measures. This and the other places mentioned, I hope to with betwee long; but the remedies for protection and custody specified by Mr. Mulock are, I

sobmit, worthy of immediate adoption.

5. In December 1882 the following orders were passed ;-

Orders of the Bombay Government on preservation of archieological cemains in the Pouns and Thing Districts.

Archeological Remains: Progression of in the Districts of Posna and Thana, No. 4856, dated Bombay Cattle, 6th December 1881.

Memorandum from the Commissioner, C. D., No. R.-3281, dated 20th July 1882, submitting for information the following letter from the Collector of Poons, No. 4412, dated 11th

"In reference to Government Resolution No. 2522, dated the 6th instant, General Department, I have the honour to state that I deprecate any interference with the ceremonics idem :round the Duguba, especially as they do no harm to the temple, but I will issue instructions with a view to prevent the curvings from being white-washed."

Memorandum from the Commissioner, N. D., No. 3345, dated 18th November 1883, for-

wasting, its summion to the proposals made therein, the following letter from the Collector of

Them. No. 5855, daied 15th idem :"With reference to paragraph 2 of Government Resolution No. 2522 of 6th July last, I

have the honour to report as follows :-

"2. The Executive Engineer informs me, in his No. 2802 of 20th September, that Govern-ment have mottened an expenditure of Rs. 586 for the preservation of the Temple of Amburmark, and that the work is being carried out.

3. Captain Cole, R.E., with whom I have been in correspondence, has within the last few days visited the Bassein Fort, and he writes demi-offscally to me; "I spent several hours in lacking over the old Portuguese churches, &c.; I think something might be done to clear away

the jungle from the best buildings, also to preserve the inscribed stones and to strengthen the masonry of the various tagades of the churches. The greatest eyestees are the Littlewood rained sugar machinery."

"4 Rs. 8 a month would be sufficient for a custodian for the Kanheri Caves.

"5. Rs. 5 a year might be given to the patel of Kundane to look after the cave in his

willages. The payment would ensure his not forgetting the duty.

6. Regarding the Mahadev Temple at Lonad, the straw ricks have been removed, and orders have been issued to the patel and talati to send an annual report on the state of the temple. The collections of the stones and the planting of the hedge would not cost more than Rs. 50 at the outside.

7. There are some other caves in Salsette that probably deserve preservation :-

t.-The Mandapeshvar Cave, near the Borish Station below a Roman Catholic Church and now in charge of the Roman Catholic community.

2.- The Magathan Cave, also near the Borivli Station.

3.—The fine Jogeshvari Cave near the Goregian Station, the courty and to which is a good deal choked up with earth and requires clearing out at a cort of Rs 20, 4.—The Mahakala Caves near Kondiste village.

*8. From Captain Cole's letter to me I see he intends returning to Bombay early in

December, when he hopes to see all the remains mentioned by me.

"o. He will in time submit his proposals regarding the preservation of the Bassein runs to Government and of the above also; until reserbt of his proposals, I would our recommend mine being acted upon."

RESOLUTION.-Copies of the letters from the Collectors of Poons and Tiskus should be forwarded to the Carator of Ancient Monuments in India with reference to Covernment Resolution No. 2522, dated the 6th July last, with an intimation that this Government will await receipt of his proposals referred to in paragraph g of Mr. Mulock's letter regarding the pre-servation of archieological remains in the Thana District.

6. Early in December 1882, when I visited Bombay on my return from Madras, Colonel Merriman, C.S.I., R.E., the Secretary Estimates for repairs to in the Public Works Department, made over to me a buildings at Ahmedahad and BULL pur. batch of estimates for repairs at Ahmedabad and Bijapur, which I returned a few days after with suggestions, and placed

Rs. 5,000 at the disposal of the Bombay Government for each of the two places. 7. The following orders with respect to Ahmedabad were passed on the

23rd December :-Orders of the Bombay Gov-erment on repairs to build-

ings at Ahmedahad.

Monuments, Architectural, at Ahmedahad-Repairs to certain, No. 809, C. W.—2166, dated Rombay Castle, 23rd December 2882.

Memorandum from the Superintending Engineer, Northern Division, No. 2272 A., dated

25th October 1882.

"With reference to Government Resolution, No. 711-C. W.-1740, dated 27th September 1882, forwards a letter from the Executive Enflatiments No. 274 of 1053, for gualing therough repairs to Baron Lubri's Mosque met Abgineer, Ahmedabad, submitting, for the most Ru. 3,502 tum of Government, estimates are per suargin, Communic No. 273 of 1882, for smalling thereough Spirite to Dial Hariz's Mosquer and Tomb in Assess more Absorbated for repairs to certain Musiques at Alimedabad a in paragraph 3 of Government Resolution No. 200-C, W,-1022, dated 13th September \$882, are in hand and will be sent in due course; and remarks that, out of the Budges grant of Rs. 9,000, for Architectural remains at Alemedahad, Rs. 8,346 have been affected on various buildings in that district, and the balance, Rs. 654, has been granted to the temple at Andrea-

math." Mumorandum from the Superintending Engineer, Northern Division, No. 2585 A., dated

5th December (882.

"Forwards a letter from the fixecutive Engineer, Abras-labord, submitting, for the saretime of Government, estimates as per margin, but Formule No. 20 of 1802, for equaliting Super United Manager and United at United States St. 12,208 States St. 10, 200 of 1802, or require to have Tenths and one Manager at States St. 12, 200 of 1802, or 10, 200 of 1802, or 10, 200 of 1802, or 10, 200 of 1802, or 10, 200 of 1802, or 10, 200 of 1802, or 10, 200 of 1802, or 10, 200 of 1802, or 10, 200 of 1802, or 10, 200 of 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, or 1802, o the preservation of certain Architectural Monuments at Alimedabad, and anclosing copy of a letter from the Collector of Ahmudabud for permut, so the remarks contained in paragraphs 2 and 3 of it appear to be very sound and

judicates; states that the estimates have been framed as well as they can be, but they cannot be considered satisfactory as this Department is not trained to this kind of work; and recommends that the Executive Engineers may be relieved of this daty which occupies much of their time, and that it may be handed over to an officer specially appointed, as proposed in paragraph 2 of Government Resolution No. 711-C. W.—1746, dated 27th September 1882."

Letter from the Curator of Ancient Monuments in India, No. 727, dated 9th December

1884.

"Returns the estimates noted in the margin, and states that he has recommended the first,

RA 11,195 Dayne Uman's Musque and Tumb Industrial Margin and Double

and has asked the Comptroller General to place Rs. 5,000 at the disposal of this Department for the purpose. Scrongly recommends that photographic negatives be obtained for him of the buildings before and after they are completed."

"Resolution .- The Government of India having made a grant of Rs. 5,000 for expenditure in the current year on repairs to the architectural monuments at Ahmedabad, the estimain, amounting to Rs. 12,200, for repairs to Sayad Cosman's Mosque and Tomb, may be sanctioned, and the work may be put in hand,

"3. The estimates as per margin may be returned to the Executive Engineer, Ahmeda-Bares Luby's Mosper and Totals Emm Start's Booger and Totals had, for record pending further provision of

"3. A photograph in negative with six proofs should be obtained and forwarded to Captain

"4 The attention of the Executive Engineer should be drawn to the remarks made by Columns requested. Captuin Coli on the estimator.

8. The following orders with respect to Bijapur were passed on the 23rd December 1882 :-Orders of the Bombay Gov-

estimient on repairs to buildings at Bi apur.

Menuments, Architectural, at Bij apur Repairs to certain, No. 000-C.W .- 2167, dated Bumbay Castle, 23rd December 1882:

Letter from the Superintending Engineer, Southern Division, No. 3028, dated 6th October 1887. With reference to Government Resolution No. 696-C. W.—1692, dated 15th September

Estimate No op of this for special repairs in the Medical Model at fillmost formation special repairs to the Marca Magazina in Balayar R4. 1,355

1882, submits, for the sanction of Government, estimates as per margin, for making special re-pairs to the Mehtar Mahāl and Mecca Masjid at Bijapur; states that the repairs are neces-sary to arrest further ruis in the case of these

structures, which are remarkable for their architectural beauty; and remarks that there is gress difficulty in obtaining work-people in sufficient numbers (more particularly masons) at Bijšpur, and that it is very doubtful, even il lunds should be available, whether the Executive Engineer will be atile promably to undertake any more work than he has now in hand."

Letter from the Superintunding Engineer, Southern Division, No. 3211, dated goth

"In continuation of his No. 2008, dated 6th October 1882, and with reference to paragraph October 1862. The execution of Government, an estimate, amounting to Rs. 1,676, framed by the Executive Efficiency, Kallangi, for making special repairs to the gateway of the Gagan Mahal in the Abbills at Bijapora reports that a sum of Rs. 500 was sain torned from the repair assignment ar his dispessi, for remaying debets and staying further ruin of this entrance gare, but that My. Reisold found that much more had to be done than was anticipated i and observes that the present estimate will, it is believed, miffice for all such repairs as are necessary to prevent

inches ducay and to restore to a great extent the beautiful stucco work of the interior." Letter from the Superintending Engineer, Southern Divnam, No. 3391, dated 25th Novem-

ber 1881.

"With reference to paragraph 3 of Government Resolution No. 690-C. W .- 1692, dated 13th September 1885, and in continuation of his No. 3217, dated 30th October 1882, submits, for the sapetion of Covernment, on estimate amounting to Re. 12,027, framed by the Executive Engineer, Kaladgi, for making special repairs to the buildings, known as the Ibrahim Rosa, at

Letter from the Curator of Ancient Monuments in India, No. 726, dated 9th December 1882.
Returns the estimates noted in the margin, and recommends the execution of the thresh

Hildurgia.							
Historie Born House Maker Meter Maker Meets Maged	100	415 AV	4	11111	 978/874	20.00	1.685 1.65 1.65

last, amounting to Rs. 4,100, before the close of the present financial year; states that he has made some emorks on each estimate; strongly recommends that photographic negatives be obtained for him of the buildings before and after they are completed.

"RESOLUTION.-The Government of India having made a grant of Rs. 5,000 for expenditure in the current year on repairs to the a. Monur Monal a. Monur Monal a. Moscu Minus architectural monuments at Bijapur, the estimates, noted in the margin, may be sammoned, and the works may be put in hand.

"2. The estimate, amounting to Rs. 12,027, for repairs to the Brahim Ross, may be returned to the Executive Engineer, Kalaidgi, for record, periding further provision of funds.

"3. A photograph in negative with six proofs should be obtained of each building and

forwarded to Captain Cole as requested,

"4. The attention of the Executive Engineer should be drawn to the remarks made by Captain Cole on the estimates,"

9. In January 1883 the Executive Engineer, Ahmedabad, with the con-Repairs to buildings at currence of his Superintending Engineer, addressed Ahmedahad me direct as follows :-

"Of the sum of Rs. 5,000 sanctioned in G. O. No. 2166, duted the 23rd ultimo, for repairs to Oosman Khan's Mosque and Tomb, it will be impossible to spend noze than Rs. 3,000 during the current official year owing to the shortness of time available for work and the distance from which stone has to be brought. It is therefore suggested that the Executive Engineer be empowered to expend Rs. 2,000 at once in removal of some of the buildings shown on the plan."

10. To this I replied on the 25th January 1883 that I saw no objection to

the proposed modifications in the expenditure.

11. In reply to a request addressed to the Bombay Public Works, the sanctioned estimate was sent to me in January 1883, Travellers' Bungalow at Blidpur. for converting the Masjid of Mahmud at Bijapur into a Travellers' Bungalow. (See para 2 of Inspection Note, page xcv.)

12. I addressed the following letter to the Bombay Government on the 21st

Letier to the Bombuy Government on the general subject of conservation is the Presidency.

"I now have the honour to invite the attention of the Bombay Government to the unsatisfactory results obtained under the present system for executing works of conservation in the Hombay Presidency, and to solicit a reconsideration of the subject with the view of applying any available funds to the best advantage.

Mny 1883 :-

"It will be observed from the statements of the Executive Engineers at Ahmedabad and Bijápur that out of a grant of Rs. 10,000 furnished from my Budgu for 1883-83, a unai sum of

only Rs. 2,719 was expended by these two officers, and thus Rs. 7,781 lapsed on the 31st March, "As regards Ahmedabad, an estimate for Syad Usman's Mosque and Tomb, amounting to Rs. 12,200, was samplemed on the 23rd December 1882, and the work ordered to be put in hand to the extent of the Rs. 5,000 granted by the Government of India. The Executive Engineer represented, however, on the 15th January 1853, that so large a sum could not be expended during the official year, and I agreed to his proposal to at once apply Rs. 2,000 to the removal of certain unslightly hovels round the Tumb of Ahmed Shah at Ahmedshad. Even this was not carried into effect, and the armal work done is represented by the sum of Rs. 278 expended in removing and rebuilding a stome wall. The balance of Rs. 1,538 is represented. by materials at site, whilst a sum of Rs. 3,132 remained unutilised at the end of the year.

"As regards Bijapur, the tollowing estimates were sanctioned :-

Gegan Mahit 1,570 Mehour Mahal 1,305 Mooca Manjid

and the works were ordered to be put in band. The actual repairs effected are represented by Rs. 518 on the Mecca Margid, and Rs. 335 on the Gagan Mahal. A sum of Rs. 4,142 remaining martilised at the end of March last.

"Although the sum of Rs, 7,281, which was thus surrendered could have produced considerable good, I would far eather that the money remained unspent than the work be hurried

or not first rate of its kind.

"I have not been able to inspect the wall that was robuilt at Ahmedahad for Rs. 278, but as for so the work at Rijapur is concerned, the repairs to the Macca Masjul would have been laster left, for the most part, underse. It appeared to me that repairs in plaster had been applied without judgment, and the whole most increasonably wittenswhed. As I have explained in my letter No. 25 of the 18th April. Mr. Remold, the Executive Engineer, was plained from Bijapur at the time of my visit, and I was accordingly unable to ascertain exactly about the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first party of the first what had been door to the two buildings in question.

"Resolution No. 518-C. W.—1238 of 1882, states that the preservative works recommended

by me (see my preliminary reports on Bijapur and Ahmedahad, dated respectively 17th June and soals October 1881] are beyond the means of the Bombay Government, whose fands are primarily required for works of public utility. From the experience of last year it is now apparent that when special funds are provided, the difficulties are by so means at an end.

"The recommendations contained in paragraph 5 of my letter No. 265 of the 22nd June 1885, are, I submit, sound, and my experience is that the expenditure to the best advantage of any special grant for preservation can only be secured by employing a special officer with apprinted and liking for this particular class of work. The best course would, I think, be to establish an ancient monuments sub-division, and to place a young officer on special duty for, say, two years. If an Engineer with suitable qualifications could not be spared from the Bombay Public Works Establishment, I would suggest that an application be made to the Govern-ment of India in the Public Works Department for the temporary transfer of an Assistant

Engineer. The Punjah Government has lately established such a sub-division, and the Assistant Engineer in charge, Lieutenant Abbott, R.E., works both at Labore and at Delhi, being "If a sum of say Rs. 10,000 can be found by the Bombay Government, I can furnish an equal ann out of my grant for the current year, and will do my best to assist the Bombay Government to find an Engineer of suitable qualifications.

"One or two buildings should, I think, be put in hard at Ahmedahad, and as it is commerced by callway with Bijapur, the officer in charge of the sub-division could carry on work at both places. He should be directly under my orders in respect of the rechnicality of his work, and be attached to the Ahmedahad and Bijapur Divisions for routine matters of expendutire and account.

"His first thity should be to prepare estimates in communication with me, and he should

first take in hand the following buildings :-

Bijāpur. Tomb of Mahmud Syad Usman's Tomb and Mosque Ahmed Shah's Tomb

"I hope that the course suggested will meet with the favourable consideration of His Excellency the Governor in Council, and that I may receive an early intimation or the decision arrived at, to permit of my providing funds from the Budget Geam of my Department."

13. After despatching the previous letter, the following Resolution reached me

from Bombay :-Resolution of the Bombay Generatorist on sepairs at Alumitabed.

drahmological Remains, Ahmedabad, No. 1627, dated Bombay Castle, 13th May 1882.

Letter from the Collector of Ahmedabad, No. 1297, dated 3rd May 1885, forwarding, with ediscense to Covernment Resolutions Nos. 3048 and 1783, dated respectively 22nd November (18), and righ May 1882, a report on the archaeological and archaeotaral remains in Alimedatud; and observing that the appointment of a Carator, as recommended in paragraph 4 of Captain Cole's report No. 174, dated 24th April 1882, would be most advisable, but there is so chance of the persons concerned with the mosques, contributing to the expenses of his pay.

Besiturnos.-A copy of the Collector's letter and of its accompanional should be forwarded to the Caratar of Ascient Monuments in India, with reference to paragraph 1 of Government Resolution No. 1783, dated 15th May 1552.

14. The following inspection note on Bassein was forwarded by me to the Bombay Government on the 9th June 1883 :-Hassein.

Note on the condition of the Buildings in the Portuguess Fort of Battein, Bombay.

"My visit to Bassein took place on the 11th November 1892. The Fort is reached from the Bassein road station, on the Bombay, Baroda and Central India Railway, and is about 5 miles distant. It was built in 1535 A.D. by Nuno-da-Cunho, and is in the form of an irregular decagon, the circumference heing a mile and a half. It is close to the sea, and has a sea-gate and a land-gate. Near the soa-gate is the Cathefinal of St. Joseph rebuilt in A.D. 1001. It is in the style of mediaval architecture of Southern Europe, and has a tower; but the whole structure is greatly ruined and surrounded, and overgrown by pipal trees and elephant creepers. Dangerous portions of the buildings should be taken down, trees and segetation removed, and the security of all inscribed stones assured. There is a tombstone in the body of the church, dated A.D. 1618, which ought also to be preserved.

"An inscription, dated 1536, is mentioned in the history and ambiguities of Bassess by J. Gerson da Cunha, page 217, as being on a wall of a furtion of the fort. It receives the building of the fort, and should be rendered accessible and preserved.

"The chapel of the Misericordia should be cleared of vegetation.

"The church of N. S. da Vida as well as another church were converted into wacehouses.

in connection with a sugar refinery, now abandoned, and the rusted unchinery, disused vara, Sec., are very unsightly objects in the vicinity.

"The church and monastery of the Jesuits, dated 1548, should as far as possible be preserved by clearing away trees from the cloisters, and by strangthening the masonry of the principal façade. The ruins of the Franciscan church and monastery should also be cleared out, and the numerous tombstones with their various inscriptions preserved.

"Here and there in the walls of the fort are to be seen pieces of sculptured atoms, which

no doubt in farmer years belonged to Hindu buildings.

"Within the fort walls is the residence of Major Littlewood, who cultivated the open areas and who built the unsightly sugar refinery works.

15 On the 27th of June 1883 I addressed the following inspection note on Bijapur to the Bombay Public Works Depart-Bijapur. ment :-

Note on Buildings at Bijapur.

"I visited Bijapur in March 1883 and wem over the buildings in the city on the 19th of the month. The new line connecting it with the Great Indian Peninsula Railway at Hudgi was complete, although not yet open for traffic, and I had the advantage of travelling to and

"There can be no doubt that Bijapur will become much more frequented as soon as the line is open. The railway station is quite close to Mahmud's Tomb, and an estimate for converting the small adjacent mosque into a Travellers' Bungalow was sanctioned at the end

"2. I have several times protested against this arrangement as being vandalistic, and one of the principal objects of my visit was to see how far the alterations would affect the building.

"3. The accompanying plan, copied from that which was canctioned, shows how the interior is partitioned off into four sets of rooms; also the latrings and bath-rooms that have been applied to the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract o built on to the exterior walls. Two of these excrescences flank the central chapel or makrab, and to communicate with them a doorway has been opened out through the very sanctuary of

4. The interior effect of the ranges of arches is entirely spoilt by the partitions, but the walls are carried up only a few feet, so that the four sets of travellers would either have to be

"5. Cut up thus into small chambers the building cannot help being unbearably hor. There is no thorough ventilation in the lower parts of the rooms, and nothing will prevent the

"o. The accompanying sketches taken from photographs by Mr. Reinold, the Executive Engineer, show the east façade of the building towards Mahmad's Tomb. There is a remarkably handsome range of sculptured stone brackets supporting the cave or churja at the markably handsome range of a superior account supporting the easy or could roof-line; and the central dome and flanking minurets are good examples of their class, the

whole being most agreeably harmonics, but the effect is marred when the eye catches the white-washed partitions of the interior and the bath-room excrescences.

"7. A much more suitable building for travellers is the Nakarkhanah shown in the smaller of the two sketches. It is in fact now used as a rest-house by the Railway Officers, the lower part being used by servants, and the upper floor for sitting and bedarooms. I can speak from personal experience on the occasion of my visit, but was told that there is always a pleasant breeze through the upper rooms, which are raised high above the ground and are therefore very pleasantly coal. The Nakarkhanak, although part of the original design of the whole group of buildings, is quite plain, with no pretensions to architectural beauty, and its permanent consuraion into a rest-house is far less objectionable from an architectural point of view, and is much more expedient if the comfort of travellers is to be considered.

* 8. The following estimates which I had previously seen were sanctsoned by the Bombay

Government on the 23rd December :-

									- Ballery
ACCUPANT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PA					23	- 12	17.00	721	1,676
Cogna stana	19	2.5	9	0.0					
Gigun Mahal Mehtur Mahal	100	- 6		1.4	*	1.0	180	- 53	1365
Mecca Masjul	24	- 20	(#)	-			190	91	939

Nothing had been done to the two first buildings, but I regret to say that the repairs to the Mecca Musjid were made to include applications of white-wash to the work, which mars the

while flavor of the well-intentioned remedies,

"O. The Executive Engineer at Bijapur is now busily engaged in converting a number of buildings in the chadel into offices and dwellings for the Kaladgi District Officers, and his time is fully occupied. Two years ago I submitted a report on the Bijapur project (see page CXLI of the Annual Report for 1881-82), but special repairs to the architectural buildings were not

sanctioned when the project was finally passed,

vio. The experience gained in other parts of India shows that architectural repairs can only be properly done by an officer who devotes his whole time to the work. Bad repairs are worse than neglect. I have therefore recently recommended the Bombay Government to create a special sub-division for conserving uncient monuments in the Presidency. (Pide letter No. 73, dated 11st May 1883.)"

Appendix F.

Reports and correspondence concerning Ancient Monuments in Bengal.

t. As already pointed out in Append'x Q of the Annual Report for (881-82, General minutes in Bengal, page civi, Sir Ashley Eden, when Lieutenant-Governor of Bengal, employed Mr. Beglar (inte Assistant to Major-General Couningham) to conduct repairs to the great Buddhist temple at Buddha Gaya. Mr. Beglar has since then been engaged at Sasaram, and has coughly shaped some repair estimates for Rohtasgarh in the neighbourhood of Sasaram.

2. Buddha Gaya having been commenced before my appointment, under the advice and direction of General Cunningham. I asked Sir Ashley Eden, who invited me to inspect the work, to let the operations proceed as projected. I visited Buddha Gaya, however, on the 7th March 1882, and submitted some general recommendations to the Bengal Government on the subject of completing a set of illustrations of the temple showing its various stages of repair, and urged the provision of permanent custody for the buildings. I also advocated the disposal of the many hundred duplicate specimens of small votive topes and stone fragments among the various provincial museums is India. (See page vivi of the Annual Report for taxal votive topes and stone fragments.)

3. Since then I have been in frequent correspondence with the Bengal Government on the subject of Mr. Beglar's repairs to Shir Shah's Tomb, a Pathan building of importance at Sasaram, no miles south of Arrah. An estimate had been prepared by Mr. Beglar amounting to Rs. 50,608, but not, as is usual in such cases, in consultation with me. Being anxious to know how this amount was to be expended in the building. I asked the Bengal Public Works Department to allow me to see the estimates and received the following letter from the Secretary:—

"I am directed to howard herewith for your inspection Mr. Beginn's estimate of the cost of the coupling Shir Shah's Tomb at Sasaram, and to inform you that orders were issued lost famous authorising Mr. Begint to put in hand such argent repairs as were immediately accessary to prevent further directoration of the edition, and a sum of Rs. 5,000 was placed accessary to prevent further directoration of the edition, and a sum of Rs. 5,000 was placed as the disposal for the purpose. It was intended to sunction subsequently the more important ferms of the estimate (enclosed horswith), but to limit the expenditure on the work to about Rs. 10,000.

Rs pocked,
"When the functial arrangements of the current official year came to be revised, however,
which the function and described for works in progress preclaided the possibility of
carrying out this interviou, and Mr. Begin is therefore still limited to the execution of the
urgent repairs which he originally undertook. These are as follow:—

The remainder of the work provided for in the estimate must stand over for the present, and this is the more unfortunate that probably when the time comes for resuming and completing the work. Mr. Begins's services may set be available for the supervision of it. Under these circumstances, I am to state, it will be an advantage if you can assign any position of the funds placed at your disposal by the Government of India for the conservation of ancient remainments, and enable Mr. Begins to complete such other stems of the estimate as you think should be extend out at once.

"I am to request that the estimate may be returned at your early convenience."

4. I subsequently assigned a sum of Rs. 5,000 out of the funds placed at my disposal by the Government of India for 1882-83, and Creant for Shir Shah's Tombas requested, mentioned the items which seemed to me best to carry out for this amount.

5. After visiting Sasaram I submitted the follow-Inspection note on Shie

ing inspection note:-Shah's Tumb.

"I visited Sasaram with Mr. Reglar, Executive Engineer, Ancient Monuments, Bengal, and inspected his work at Shir Shah's Tomb on the 7th March last.

"The first thing that strikes me is the very unsatisfactory condition of the causeway lend-

ing to the tomb, which stands in the centre of a large square tank.

"The accompanying sketch shows the two fractured ends of the old causeway or bridge and the renovated approach, which is a low earthen embankment, with a small masonry bridge

"Nothing could be more inconvenient and inharmonious than this arrangement. If it is desirable to reach the tomb at all, it is surely undesirable to descend in order that one may ascerul. The old causeway harmonised with the architecture of the tumb, and had arches of the Pathan pattern, and it is surely inconsistent to place at the very threshold of the edifice anything so out of keeping as the print little masonry bridge represented in the accompanying sketch. I hope a fresh estimate will be ordered for reproducing the old lines of the cause-

way. The next feature which arrests the eye is the kiosque crowning the dome of the tumb. There can be no doubt that this is a modern feature in the building. The adjacent tomb of Shir Shah's lather, Husain Khan, has a pinnacle or finial, which mode of terminating a dome is the invariable feature in all Pathan tombs, and is also used in the Kila-kona Masjid at Delhi,

the finest of all the buildings of Shir Shah's time.

"So convinced do I feel that the present kineque is a modern addition, that I advised Mr. Beglar to remove it, and to replace it by a finial, on the pattern of that in the central dome of the tomb of Shir Shah's father, Husain Khan, (See accompanying sketch.)

"Mr. Beglar's original estimate of Shir Shah's tomb included repairs to the outer gate-way and the approach. Of this, Rs. 11,153 were given by the Bengal Government, supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 control of the supplemented by Rs. 5 contro

mented by Rs. 5,000 out of my grant,

"First and foremest, I think the plaster repairs are too conspicuous. The dome which
has been completely recovered is most glaringly white. The colour of the plaster should have
matched the masonry of the body of the structure. I noticed the re-pointing in the masonry. of the plinth to be too heavy, and the plaster used in the paraper walls is, in my opinion, unarcessarily liberal. I mentioned these points to Mr. Beglar, and asked that the colour of all the plaster work might be much down to match the stone colour of the whole mass of building.

"The interior of the tomb, which is very fine and impressive, is lighted by a series of window openings above the surandah. These used to be filled by tracery, and should be so

refilled. The effect would thus gain immensely at a trilling cost.

"The various carved curichments which adoru both the exterior and interior of the building want clearing. Many of them are of good design and worth illustration, but at present dirt, Sc., renders their unattractive,

"Surrounding the verandah of the tomb like a bold cornics is a chujja or eave. In many parts broken, it gives a ruined appearance to the building. Its restoration would not only

improve the effect, but keep rain off the walls.

"All traces of coloured tile decoration should be carefully preserved.

"A gateway erected on the west side of the great tank should receive petry repairs,

"The earth excavated to form the great tank was banked up all round its four sides, and to a great nursture dwarfs and conceals the tomb. It would be a great advantage to distribute

the earth over the surrounding fields.

"The tomb of Hussin Khan to the east of the great tank is a building of considerable merit. The sketch gives a general idea of its outline and massive proportions. The interior has a good deal of coloured decoration and incised plaster ornament, and there is some tile-work canade. All of these are well worth recording by illustration. The building should be cleaned out and receive necessary repairs to the roof and dones. The fallen caves or charges should be renewed both for protecting the walls and for appearance sake."

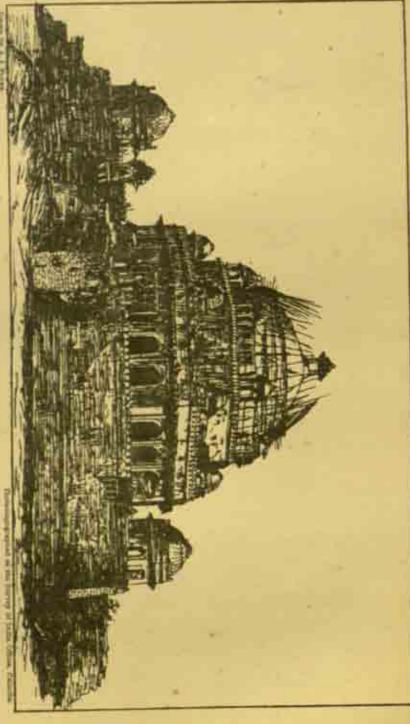
[&]quot; Mr. begin provided for regarding the shift lower, but the work was taken out of his hands and executed to the Ornid

ME AT SASARAM, BENGAL

SHOWING THE PRESENT STA SKETCH OF SHIR SHAH"

THE CAUSEWAY ACROSS THE TANK





SHIR SHAPS TOMB, SASARAM.

Order Report Names and



TOMB OF HUSAIN KHAN, FATHER OF SHIR SHAH, AT SASARAM.

Appendix G.

Reports and correspondence, &c., concerning ancient monuments in Central India.

On the 14th of October 1882 Major Keith was appointed temporarily to Appointment of Major Keith, be my Assistant for Central India. He had been Assistant for Central India. engaged during the early part of the year, under the Agent to the Governor-General, on repairs to the temples and palace buildings in Fortress Gwaiior, also in collecting carved pillars and isolated sculptures round the great Teli-ka-Mandir.

2. I gave Major Keith the following instructions on the 26th October

Instructions for another. 1882:--

"A sum of Rs. 20,000 will be allotted by the Government of India this year for repairs to the Sanchi Tops and the work at Manda. The accompanying report shows what are the works that you are to undertake : and as any unspent position of the Rs. 20,000 will lapse on the risk March next, it is important that you should get to work as soon as possible.

"You should proceed in the first instance, and with as little delay as possible, to Sanchi a secret the western and southern gateways and complete the repairs to the surface

casoury of the Great Tope."

"Colonel Thomason, R.E., at Indore, has kindly promised to send an engineer for a time a neit you in the rebuilding of the fallen gates, and you should therefore to to Indore on an easy to Sauchi in order to conier with him, and to ascertain what material, &c., he could not you.

The heaviest weight to be lifted will be under 5 tons. You ill require three differential pullsys, each capable of lifting such a weight, good strong rope, non and a such man bars for colmecting pieces of stone; a small furnary, lead solder, black-mith's foots, mason's tools, modelling tools for cleaning the carrings, a garden pamp. Portland exment, and inne mortar. Bumboos and country rope can be procured at Biopul. The cost of material, tools, &c., salary of temperaty establishment, including the pay of the regimeer lent by Colonel Thomason, carriage, labour, travelling expenses, and your own sality to 31st March, will all be charges against the Rs. 20000 grant. The materials that you must procure us han from Colonel Thomason or Mr. Googhegan must, of course, be purfusly again to February. If after starting the Sanchs work you had yourself able, you said go to Manilm."

"On the completion of the Simuhi work, I will send a photographer to take photographs the tope and gateways as restored, and these illustrations, together with the photographs couly taken, may form a monograph on the works of conservation at Sanchi."

3. After personally inspecting the Sanchi buildings in December 1882 and (specter of Sanchi (Descring the result of the work conducted by Mr. Mears, who had been employed the previous year by ireal Agent, Phopal, in filling the breach in the Tope and clearing jungle or buildings, I found it necessary to somewhat modify the first instructional on the 13th December addressed the following to Major Keith:—

Bouled instruction is directed to the following points in respect of the work at Sanchi :-

The first works to be attended to are: The re-erection of the fallen gateways, i.e., the western and southern gates of the Great Tope, and repair to the small gateway close by. Arrangements for the scallouid take precedence of all other work. If you find that a heavy timber scallold cannot be provided here in Bhopal, it will be necessary to get the nam of iron rails from Mr. Geoghegian, and to arrange at once for their carriage to Sanchi, his will be somewhat costly and take time. A certain amount of quarrying will have be done on the Sanchi field in supply missing portions of the gates. So, and you should in

6. I had previously received, through the Government of India, a copy of a report and rough estimate framed by Mr. Beglar for repairs to the palace buildings at Kohtasgarh near Projected enpairs to Robins-Sasaram, and took occasion to confer with Mr. Beglar goarb.

7. Having the conviction that the best monuments of their class in Bengal on the subject. should be taken up first, I addressed a letter to the Bongal Government in the Public Works Department Recommondation for system-(No. 47, dated 26th April 1883), from which the atie work in Bengal.

following paragraphs are here quoted :-

"The questions in any administrative area are primarily-what are the best and most singular national monuments? what is the least that should be done to prolong their existence? and by what means is the work to be carried out in any reasonable time? It will certainly be necessary to establish the Ancient Monuments Division for a term of at least three or four years; without this, conservation in Bengal will not have been even seriously attempted.

"I have drawn up a rough map of Bengal showing some of the principal ancient menusments in the Presidency. A survey should be made of these, and the remedies indispensable

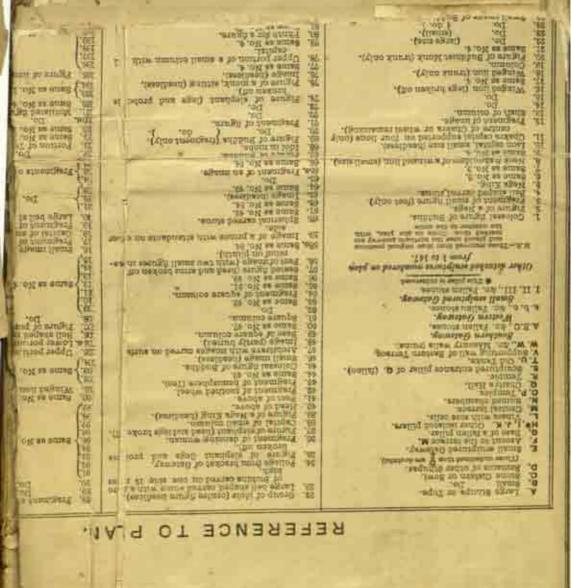
in each case can then be agreed on.

"Mr. Beglar's report on Romasgarh, together with a rough estimate, has been sent to me for opinion. A grant of Rs. 10,000 is asked to meet the cost of the repairs of certain structures. To this I can but say that the work seems in uself desirable, but, as there are better examples of Man Sing's buildings in Fortress Gwalior, to which repairs have commenced, I put the Gaur ruine before Robinsgarh in degree of national importance."

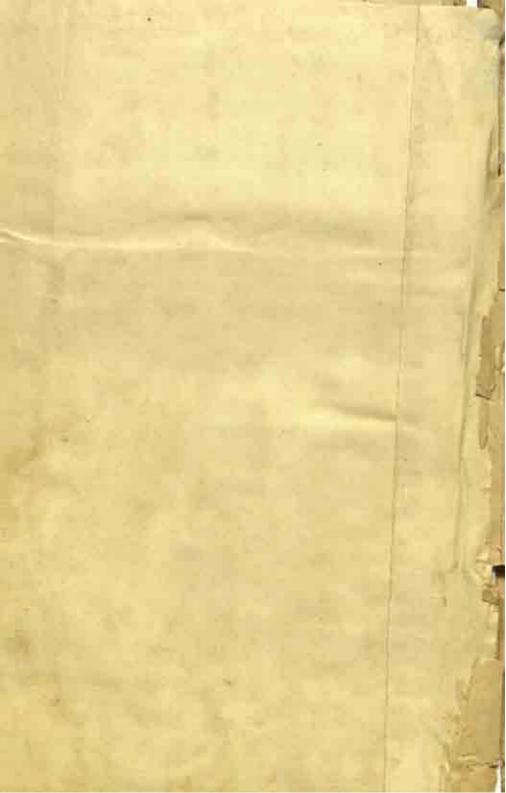
The brick and terra-cutta buildings of Bengal, of which the Gaur and Panduah Mosque, &c., are singularly good examples, possess an importance for the whole of India. Buildings of this class were erected in localities where stone was scarce, and a revived knowledge of hos

brick and terra-cotta were employed would be of practical utility."

8. To this letter I have as yet received no answer, but it seems to me the inconsistencies will be inevitable unless general principles applicable to the whole of India are followed Application of general prinin the selection of monuments to be repaired and ciples necessary. in the remedies to be applied.







a nother too with Mr. John Lewis, the subordinate placed at my decicual, make out a conplace Lat of all took and plant which you will enquire, and take immediate steps for obtaining how oil loan from the railway contractor or from the Darliar, or else by purchasing

I am disposed to postpoise doing anything to the surface of the great homispherical dumb of the topic, the renovated portion shows signs of scitting down, and during this, pointing the making points would be nucless. Moreover, the dome was ariginally plastered over, as may be not be certain parts; and after the railing has been replaced on the summe, it will be time to summiler what is best to be done with the dome surface.

The upper railing and too of the tope should, as far as possible be, re-created.

"An approach path should be made up the wide of the full, and steps cut in the cocle where necessary. The causeway to the small tope on the west should also be improved by sulting steps, &c.

A good deal remains to be done in jungle clearing, and all the buildings and remains on the full abould be completely freed from cryspers and trees. The tree near the combern gareway of the great tope should be tigled in several pieces, and for this you will want some

bugg saws and axes.

"Mischievous chipping of carriage still goes on and can only be prevented by erecting a wall all around the area covered by buildings; but as there is alundance of stone available on the hill, it will not be difficult to make a 7-foot dry manonry wall to arround the Great Tope and the adjoining Chanya Temple and Vihara. The small tope to the west should also he so protected, and gates under lock and key be provided at each place, so that the arraying of earths and irrespons by idlers and muchingous per one may be presented. The head numof Sauch) Kanakhira abould have charge of the key and he held responsible

*I think a good deal may be done to the railing round the Great Tope by straightening the piers and holding them erect by iron have let into the plants of the tope.

A recent cambiquake his caused a serious crack right across the bottom of the right pier of the corthern gateway. Fortunately the smark is nearly in a horizontal plane, but it would, I think, be well to be the top of the two piers of the gate by from hors to the tops itself, and thus lesson the danger of falling backwards or focuseds should Samhi lie again visited by an narthquake.

The space between the railing and tope is prived with large radiating stable of stune which should be laid here, and the covering earth all removed. The Buildhist figures should, as lar as possible, be replaced in their positions opposite the garaways. The steps occurring built to the top of the pointh have a number of curved stones which belong to the upper railing perhaps and which should be removed. Fergusson's and Cumningham's Illustrations show a double flight of stairs at the south gate, and these stairs should be restored.

"The small rope to the west might hereafter be repaired by filling in the hole and repair-

ing the done.

"The scalptures of the gateways of the Great Tope and of the small gateway near, also of the railing of the small tope to the west, should be thoroughly cleaned.

"All carried fragments, the original position of which cannot be identified, should be

carefully collected together.

"The work of re-creeting the gateways is of paramount importance; but I hope you will find time to visit the topes in the neighbourhood at Anilher, Bhajpur, Sonari, and Saldhara-

4. I again visited Sanchi on the 12th, 14th March, and was most satisfied with what had been done. Major Keith's health had Impertion of Sanchi unfortunately prevented his maching the scene of (March) operations until December, but the progress made, I must say, under difficulties of no common kind, during the months of

January and February seemed to me most creditable to Major Keith and to Mr. Lewis, the Engineer placed at my disposal by Colonel Thomason.

Plan of the Sanchi Hill.

Partial clearing of trees and filling the boards in tope 1881-B2

5. The accompanying plan shows the condition of the Buildhist remains in January 1881. Since then Mr. Mears partially eleared away the trees and vegetation which had overgrown the various structures. He also filled in the breach in the Great Tope. Although a step in the right direction a great deal remained to be done, and when I saw the place in December last; the ground was still atrewn with fragments o the railing and tee which surmounted the great mound, with huge blocks of the fallen southern and western gates, and with carvings of all kinds belonging to the four Buddhistic shrines that occupied positions against the plinth of the tope opposite the four gateways. The plan is an accurate record of the position and nature of the fragments that surrounded the various monuments on the hill. It will be observed that the tope and railings are elliptical in plan and not circular as hitherto represented.

6. By March, a complete transformation had taken place. The whole of the jungle had been removed from the Great Tope, The ground round it had been partially cleared and Progress in March 1883. sloped so as to prevent water lodging. The pro-Great Tope.

cessional path between the miling and plinth of the mound had been partly freed of debris and earth, the stone pavement laid bare, and several fragments of sculpture were recovered during the process of clearing. The figures of Buddha were in process of re-erection in their respective places against the plinth of the tope opposite each of the four gateways. The great Asoka railing had fallen between the north and west gates, between the west and south gates, and at the east entrance, and was shuky in many other places. The whole had been straightened and securely tied by iron bars, across the circular processional path, to the masoury of the tope.

The northern gate rendered dangerous by the crack across the lower part of one of its uprights had been North state. secured in the same way by iron bars to the tope. East gute. The eastern gateway had been similarly secured. The South and west gates. southern and western gateways were in process of re-crection. The smaller gateway of the tope to the Small gate.

north had been completely rebuilt. In supplying missing portions of the gateways that were re-erected, plain stone was used, any reproduction of carvings must have been imaginative and wholly misleading. The sculptures on the northern gateway and gateway of the small tope had

Cleaning of sculptures. been thoroughly cleaned, greatly to their advantage.

Each bas-relief has become as sharp and clear as when first chiselled.

Owing to the eradication of jungle, the outline and position of the various surrounding topes, temples, Chaitya Hall, Vihara, and walls of the monastic buildings are now evident. The approach road on the north side of the hill has been opened out and restored, and the ancient causeway leading from the small tope Be on the west has been improved and stepped. The retaining wall to the east of the Great Topo bad been partially rebuilt, and the temples, Chaitya Halland Vihara cleared of debris. Two large statues of Porters or "Gwapals" found in clearing the ground had been erected to the north of the Great Tope.

7. The heavy part of the work is done, but the following remains to be

finished:-Work remaining.

GREAT TOPE.

(1.) Complete the sloping off of the ground.

(a.) Completely eradicate all roots of trees or creepers.

(3.) Rebuild the plinth which bulges dangerously near the south gate, (4.) Secure the surface masonry of the tope by filling in the joints and

(5) Rebuild the railing on the summit of the mound.

(6.) Complete cleaning of all sculptures.

SMALL TOPE BY

(7.) Fill in the breach in the mound.(8.) Secure surface masonry of the mound.

(9) Clear ground of rubbish and trees.(10) Secure railings.

(11.) Clean up processional path.

(12.) Clean all carvings.

(13.) Wall round the small tope.

GENERAL

(14) Build a wall round the Great Tope, Temple, Vihara, and Chaitya; clear of all ancient foundations of buildings.

(15) Complete small repairs to buildings to secure them against rain.

(16.) Put up stone slabs with inscriptions giving name and date of each structure and when repaired.

Appendix H.

Reports and correspondence, Se., on Ancient Monuments in Rajoutana.

General subject of repair to consensuate in Raiputana.

Report of April Consume

1. The Government of India has since June 1882, been in correspondence with the Agent to the Governor General concerning monuments in Rajputana, and the latter has reported that, as a rule, the Rajputana Chiefs prefer to make their own arrangements for the preservation and repair of their ancient ancestral buildings, but that all that

is needed is to indicate where restoration is proper and necessary

2. The Secretary to the Government of India, Foreign Department, in approving the suggestions of the Agent to the Governor General, observed in a letter to the latter, dated Order of the Government of India. 12th June 1883, that "the objects of the Government of India will be fully attained if the Durbars can be induced to make a real effort

to carry out Major Cole's plans by means of their own Agency."

3 I visited Aimir on the 38th of July 1882, and inspected the Pavillon in the Daolat Bagh which has hitherto been used for municipal meetings. It had been partially freed of its excrescent buildings by Mr. Beassington, Executive Engineer at Ajmir, but I found that a good deal more clearing and some dismantling would have to be done before a correct perception of the necessary remedies could be acquired.

4. Mr. Saunders, the Commissioner, drew my attention to some buildings in the Ajmir Fort. They are of Akbar's time and certainly worth photographing. The principal Pavilion is used as a Tehsil. The entrance gateway has some Abbar's Buildings in the Aimir Fort. nion screen-work which I noticed to be closed up and which should be opened out.

5. I went to the Musque called the " Arhai-din-ka-Jhompra," a dome of which is still open and requires repair. It appeared to me Masque at Ajmir desirable to remove a tree in front of the facade, as the range of arches cannot be properly seen. The pillars of the building

require cleaning; at present the elaborate carvings are full of dirt and plaster. 46. I again visited Ajmir on my return from Meywar, and on the 14th August went over the fort crowning the Taraghar hill, in Tarughur Gate, Almit. order to see the ruined entrance gateway for which Lieutenant-Colonel Steel, R.E., had asked me to provide a restored drawing. There are several tanks in the fort, and a Mosque of Akbar's time liberally white-washed by the Muhammadans. They hold an endowment of about Rs. 5,000 annually for the maintenance of the structure, and might be induced to apply more appropriate remedies and keep the place clean.

7. In October 1882 I forwarded plans for repairing the Pavilion in the Daolat Bagh, and for restoring the Taraghar gateway Pavilles in the Daolat Hagh, at Ajmir, to the Agent to the Governor General in Aimir.

Rajputana.

8. In November 1882 Mr. Brassington sent me an estimate amounting to Rs. 288 for further demolishing the old rotten work in the modern surroundings of the Daolat Bagh Pavilion, and I returned it recommended.

9. In January 1883 I approved and returned Mr. Brassington's estimate amounting to Rs. 323 for repairing one of the domes in the Arhai-din-ka-Jhompra Mosque.

to. An estimate amounting to Rs. 10,000 having been drawn out by Mr.

Brassington for restoring the Taraghar Gate, the Government of India undertook to provide half the estimated cost, and I was asked for the other half. I was

at the time unable to recommend this aflotment.

Estimate for repairs to the lion in the Daolat Bagh, having been drawn up by Pavilion in the Daolat Bagh, having been drawn up by Mr. Brassington, Executive Engineer, Mayo College, Almir, and sent to me for opinion, I returned the same in June 1883 and offered to contribute a sum of Rs. 5,000 out of my builded great for the year 1882.85.

budget grant for the year 1883-84.

12. A survey of Khoja Synd's Tomb and adjacent buildings at Ajmir was made in August 1882, and will with notes show what are the requisite remedies

for preserving the various edifices

13. My inspections in the territories of His Highness the Maharana of Udalpur occurred between the 30th July and the Meyers. 9th August 1882. Notes on Udalpur, Ahar, Nagda, and Chittore have already appeared in the Appendix of the Annual Report for 1881-82 (see page class). Complete surveys were with the consent of the Maharana made during March and April 1883. Surveys in the Fest of the Khumbo Range Tower of Victory, of the Jaina

Chitton Tower, and of the Sanga Chaori in the Chittore Fortress. The plans are about to be forwarded to the Agent to the Governor General in Rajputana together with recommendations for repairing those very

elaborate and interesting structures.

Agent to the Governor General, and took the opportunity of again inspecting the Dilwarra Temples which Dilwarra Temples. I now have permission from the Siroli Durbar to survey. The means at the disposal of the Jain Committee for maintaining these structures are ample and sufficient to keep them in the good condition, which, as works of art of no mean order, they well ment. A careful survey will be required to show what is the present condition of the Temples and to indicate what is required to prolong their existence and preserve their elaborate archive

15. On my return from Rajputana to head-quarters in August 1885, I stayed a day at Jaipur and went out to the Maharaja's Palace page at Amber. My inspection notes are embodied in a memorandum dated the 18th August, addressed to the Resident at Jaipur (see page cixxiv of the Annual Report for 1881-82). Permission has since been given by the Maharaja for me to make a survey of Amber, and this will afford an opportunity of recording in detail what should be done to maintain the Palace buildings in the condition which they deserve.

Appendix I.

Reports and correspondence, &c., concerning Ancient Monuments in the Punjab.

1. The Punjab Public Works Department had, on the 4th March 1882, sanctioned an estimate amounting to Rs, 14,130 for repairing the tomb of the Emperor Jahangir at Temb of Jahungir. Shahdara, and directions were given to make as much progress as possible before the close of the financial year,

2. On the 15th May 1882 I was informed that funds were required to carry

Financial requirements in out the following works :-

1. Restoration of Jahangir's Tomb at Shahdara, Lahore i entimate same-	No.
H. Garrway of old Serai Nur Mahaly estimate constitution in	II.000
HL Laying out grounds near Hammann's Tout Nate	3.000
IV. Improving and fencing the grounds attached to Jamali Kamali Tomb and Mosque at the Kumb, say	2,500
V. Improvements to Shahlunar Gardens, Labore	3,000
Total Ra.	

3. On the 19th June I submitted plans and drawings showing how the gateway of the seral at Nur Mahal near Juliandur Plane for repairing the Nur -Muhal Seral Gateway, Juliunabould be repaired in order to follow the old architectural lines.

4 On the 12th July the plans for improving the enclosure to Humayun's Plans for Humayun's Tomb, Tomb was sent to me for opinion. These I returned pointing out that modernizing the grounds seemed objectionable, and that the old masonry water-channels and raised paths should be set in order, so as to preserve the original geometrical arrangement of the garden, the plots of ground then under cultivation by the representative of the kings of Delhi for tobacco, &c., being simply rescued and turled. tas since been done.

5. On the 13th July General Pollard sent me a plan and estimate for repair-Plane for mastring the ing the tomb and mosque called Jamali Kamali at Tomb and Musque Jamali Delhi. I returned these remarking that I thought the tomb and mosque should not be restored but simply repaired, and the ornamental gothic iron gates provided for by the Executive Engineer should be replaced by perfectly plain ones. I also advocated preuring the existing tile work, not restoring it. There is insufficient data in the existing portions of both mosque and tomb for restoration of their struc-

6. A sum of Rs. 38,000 was allotted on the 9th October 1882 to the Panjab out of the Government of India grant for conser-Allotment from Imperial funds in 1882-83. vation of aucient monuments.

7. A revised estimate for repairing the mosque and tomb of Jamali Kamali was sent to me by the Punjab Government, and I returned it recommended on the 12th October.

8. It having been decided that Mr. Heath, Executive Engineer, Archaeo-Appointment of Lieutenant logical Division, North-Western Provinces, could not Abbon, R.E. be spared to superintend work in the Punjab as proposed, Sir Charles Aitchison determined on appointing a special officer. following Resolution was communicated to me and published by Sir Charles Aitchison :--

" With reference to Government of India, Public Works Department, fatter No. 137, dated 23rd September 1882, in your address, placing at the disposal of Branches of the Punjuly Governthis Government a grant of Rs. 38,000 for the restoration of historical buildings in the Punjab, I am desired by His Honour

the Lieumann-Governor to forward for information copy of a Resolution, No. 3812, dated jed November has, issued in this Department, regarding the formation of a second sub-division under the charge of Lieutenant Abbott, R.E., Assistant Roginson, for carrying out the suveral risilocations proposed in this Province, and to intimate the action already taken by the Provincial Public Works Department in regard to them.

"Resolution by His Honour the Lientenans Governor of the Panjah, in the Public Works Department, dated and Necessias 1882.

"OBSERVATIONS.-Her Majesty's Secretary of State, having sanctioned the appointment of a Curator of Ancient Monumenta charged with concerving under Covernment the most celeheated and important examples of national archieology and architecture, the Governor General in Council was pleased to appoint Captain H. H. Cole, R.E., in be Caratter, and to direct him, in communication with Local Concernments and Administrations, to impact and report on such of these as either from an archeological or artistic point of view are worthy of Preservation or

"In compliance with these orders Captain Cole has examined and repeated on the most important buildings in this Province.

"(a) The cities of Delhi and Labore, as well as other parts of the Punjab, are peculiarly rich in such national monuments, and the Lieutemant-Governor would gladly at all those struourrated in Capthin Cole's report taken up in turn ; but in view of the limited amount of funds. Imperial and Provincial, that could be instillably appropriated, such resouration can only pro-ceed gradually. Work enough might undoubtedly be joined in and around the great centres of Delhi and Lakery to justify the establishment of a separate division, but at present the available funds will not admit of this.

"(3.) Further, the work of restoration of these historical and specially architectural peartistic buildings of necessarily preceded with caution, judgment and artists take, and the superintendence of id by entrusted to an expert, or an officer who may make the work a special study. In the absence of any specially qualified officer, the best will of detaining such an expert will be to train him up for the work under Captain Cole's superintendence, and this can be best done by monimating a juntor officer of the Public Works Department, and attaching him to the Executive Division within which the buildings to be first taken in hand are situated

"REMILETION -To meet as far as possible the wishes of the Government or India. His Hoppier the Lieutenant-Governor has remarred, as an experimental measure for two years, on the formation of a sub-division and the numitiation of a young officer of the Pablic Works Department to take charge of it. The pay and allowances of this officer will be beene by the Province, and he will, in close communication with, and under the approval of the Curator of Ancient Monuments, arrange the plan of the repairs and perpare the enquisities, which will then be had before the Punjah Government for acceptance, formal marcion, and albement of funds from such sums as may from time to time be granted by the Government of India, supplemented by whatever funds is may be found possible to give from Provincial sources.

"In conformity with these views, His Homer the Lieutemut-Governor is probed to appoint

Licatement Abbost, R.E., in the charge of the new archivological auto-division. This differential be in the first instance attached to the Labore Provincial Division."

o. A revised estimate for repairing the Nur Mahal Gateway had been sent to me for remarks on the 4th December 1882, and A revised estimate for the Nor Mahal Galeway. was returned recommended on the 13th of the month.

10. From the 21st to the 31st January 1883 I was engaged in going over the various buildings at Labore, Delhi, and Juliandur Impection of buildings at Labore, Delki, and fallunder. with Lieutenant Abbott, R.E., and subsequently submitted the following inspection notes to the Punjab Public Works Department :-

> NOTES OF BUILDINGS AT LAUGRE. Asaf Khan's Tomb at Shahdara. Sanctioned estimate for Rs. 3/781.

The surface matumy of the walls has been plastered up and punelled. This was fone without my knowledge and does not repeat or follow the old lines of the design. The planter surface should be removed And Shines Toron at Manhelman. at once, and, to prevent further min, only the gaps in the walls filled in with break massney.

The drainage from the roof and dome should be provided for by pipes to carry thin water

aless of the walls.

The little ornamental tiling that remains is in he occurred by edging with commer, but no painted work is to be done. Any painted work that has been done should be removed.

The floor of the tomb is to be covered with concrute.

The ground round Ami Khan's Tumb should be taken up and released from cubicators and then turied.

Talangir's Tenth at Shahdara.

The present relaying of the mostaic terrace is done in too patchy a way to ensure that the terrace is rendered uniformly water-tight. The whole should Milliand P. County of Shillshope, be gradually relaid in sections of say y or o feet square. Each martile the should be hope in its relative place in the pattern so as to ensure better fitting. To do that will require very great care in taking up the mouse. The marble work should be laid out on a table of the seze of the sexions under treatment; damaged muriles should then be replaced by new mest; the whole relaid on the terrain umbedded in coment. The terrace mer flee passages to the Tomb and over the veraminha should be done first.

I have recommended the expanditure of Rs. 3,000 on a portion in order to arrive at a rate

tor the wholid?

The walls of the verandahs should be freed of whitewards, and the tile work carefully cleaned. The grounds should be taken over and laid out on the old lines of the garden, the present areas under cultivation being turied.

I have recommended an expenditure this year of Rs. 3,000 on works and Rs. 2,000 on

the revival of the grounds.]

The enclosure areads and entrance buildings should be freed of all the modern partitions and walls that were inserted by the railway amborities or others; until this is done it will not be possible to judge of the heat way of dealing with the old structures. I have seen and recommended Limiterian Abbott's snimite for this work amounting to Rs., 392.

The encroachment of the Rayl should be very carefully watched.

Shuhlimar Gardenz.

I approve of the estimate framed by Lientenant Abbott for improvements to the Shahlimar finedons, but the enclosure walls require attention, and Bigfdiery Gestern. an estimate should be framed for straightening the portions that are dangerous and out of the perpendicular.

Any repairs or rebuilding should be in perfectly plain brick intermry, and no ornamental

surface plastering is to be renewed.

The public should be able to see the exteriors of the two guteways that are ornamented with coloured tile work. This tile work is a good deal damaged and should be accured by comenting the fractured edges.

The building marked on the plan as the Khabgah is of no importance, and its demolition would improve that part of the grounds. If have seen Limitenant Abbott's estimates and have recommended an expenditure this year of its. 4,000. I

All Marsian's Touch

This building stands on the south side of the Shahilmar coad opposite the Golahi Bugh. The Tomb has been gotted of all its surface motomry. The All Married a Toronto. with brick work, and to remove the walls which block some of the exterior archivage. Near the Tomb is a building worth preservation, covered with brightly coloured tiles. It

should be freed or all its modern additions and the ille work secured.

A path should be made from the high road to these two buildings.

Noulakes Bury.

This building should be zaken in hand before others in the Feet.

The parapet to be restored. The murble chajjas with their architeaves and brackers to be made good where fallen. The exterior marrie work to be conswed where its place has been taken by plaster.

The floor of the pavilion to be relaid in marble. All painted putry or comens to be removed from the mussics, and all musau work to be renovated where there is sufficient suddince for the pattern.

The roof to be made perfectly water-tight, the modern painted work to be left as it is for

the present.

The marble screen-work flanking the pavilion to be repaired and restored,

All white and colour washing to be removed from the missing work in the Shish Mahal. and Palmes buildings. [Linutement Abbott has framed an estimate which I have seen and recommended.]

Chamburji.

This generaly is close to the reard. The gaps in the walls and unsupported projections

should be filled with brick mesonry.

The tile work should, is damaged places, he edged with Charles in the Middia Hand, cement. Some of the panels are black-med with damp, and an experiment should be made to clear the surface. A subsequent with of silicate may protect them from the weather, Silionte wash can be obtained in Calcutta,

The cracks in the arches should be carefully filled with coment, and the spaces in the coving

of the towers left bare by the falling away of riles should be filled up with coment-

Timb of Ithann Chart on the Minn Mir road.

Gaps in the massery should be filled. The dome about d receive party require to arrest further decay. length (Seri Tonty Africa Str.

The fallen clinities to be replaced and the plantering of the coving under them to be renewed.

No planter work is to be tione inside.

Guinni Rugh Gate on the Shuhli mar Road.

Gaps in the masoury to be filled up, broken tile edges to be Claude Starte Cale, Stattlemen cemented) remove extraneous partitions and fence in the front like the Chamburji.

Das dagen near the Color Bagh.

Fill up gaps in manoury; presures the tile work by comean adging; make an experiment to clean the painted work, particularly in the exterior kinsquery Dis. Argus wear the Course Baggie. open out the staircase to the roof.

A sorn tence abould be placed round the raised terrace and the weeds and earth removed citl it.

Sharrfu Begum's Tamb.

This is a square building with some firm tile work of cypross trees on a white ground. The curied terrace surrounding it has been removed, the Stanta County From, our the manury of the lower portion about the repatient and painted, and the tile work preserved by edging.

Beginnburu Marjid is worth preserving, and permission should be obtained and the building taken on the Nurul list.

Dispungues Marie All tile work to be cleaned and preserved, where mosssary, by edging.

The fallen churjs should be replaced.

Mahbara and Marjid of Khonija Kanound Mahmud at Regumbura.

The dome and lower masonry of the Tomb may be repaired and the interior painting on planter cleaned.

Machana and Maniel of Khumas

The Mosque is only worth petty repairs to prevent it

Makimus Sinch Belward.

Makburn Shah Belamul, near Begumpura, is worth unly perty repairs to the masonry walls and domes,

Tombiel Parell.

Temb of Prince Parmis, near Regumpura, is worth patty repairs only.

NOTES ON BUILDINGS IN THE JULIURIPH DISTRICT, PURIAR.

Nakodar-15 miles from Jallandar civil station; has two tombs of considerable beauty and interest; said, in the list of objects of antiquarian interest the set Natistic in the Punjab published in 1875, to have been fault in the reign of the Europeror Jahangir. I visited them with Mr. Harringum, Executive Engineer of Large Town.

Large Town.

Large Town.

Large Town to work of the messale class. The interior is plantared with changes and outside with brilliant the work of the messale class. The interior is plantared with changes

and slightly decorated.

The structure has been freed by Mr. Harrington of modern doors, Acc., and is in course of repair. The structure is in fair order, but the terrace on which it is russed requires relaying, and the tile work is a good deal decayed on the north, south, and east sides. The west side is in good order excepting the lower portions, which appear to have been wilfally removed. Mr. Harrington wishes to restore the tile work, but the cost would be great, even if the work could be untifactically done. I think an experiment might be made to reproduce one panel, but the ren of the tile work should be preserved by cleaning, washing over with silicate wash, and edging with cement. The colours employed in the patterns are numerous-yellow, green, white, dark blue, timquoise, deep maroon, orange,-many of which are not produced by the modern tile-workers in India.

The repairs to the interior of the tomb should leave it as originally, and no new colouring introduced in the plaster or change work. The door and other openings should be closed by from hars let in to the wall near the inner surface so us to leave a good "reveal," One opening

should have a wicket or gate.

The lower part of the exterior surface of the dome wants cleaning up. An inscribed hand rans thand the lower part of the dome inside the numb, and would probably give the date of the building and name of the person for whom it was erected. A ground plan should be made and outline elevations and sections. A photograph should also be taken to show the west façade, and details drawn of the tile panels.

The smaller tomb is octagonal in plan and has the appearance of being the older in date. Mr. Harrington is removing the modern doors, &c., and allows to repair the structure. The inscription in the building will Smaller Tomb. probably give the correct date and information of the huilding. The material used is brick, which, where not covered with tile work, seems to have been originally printed. Now a number of sulgar modern Siith paintings cover the scalls, and their removal to show original pointed brick surface would be no disadvantage. The tile work is of a singular class, being edged by brick and entirely geometrical in pattern. Yellow tarquoise, dark hine, green, and a variegated blue, are the colours used. The repairs to the interior should have the appearance as nearly like the original design as possible, and as in the case of the larger building the openings should be closed by iron bars, one being fitted with a door. A plan outline elevation and sections should be made and a plustograph taken and details drawn in colour of the different cile patturns.

In removing plaster from tile work or the back surfaces of the wall, care should be taken to soften it by mative vinegar or axid and water, so that it may be removed without injury or scratching of the work underneath.

I have not seen the estimate for repairing the Nakodar tombs, but have eccommended an expenditure this year of Rs. 2,000.

After visiting Nakodar, Mr. Harrington, Lieutenant Abbott, and I went on to see the work in progress at Nur Mahal. The principal gateway of the Sarai built by Nur Jahan, the wife of Jahangu, is being com-New Shield. plately removated. The structure has been rendered secure by Mr. Harrington, and the carved category of me Sensi.

musoury of the façade is in prices of being restored in a thorough manner by that officer. I have both photographs and plans of the building, but a completion photograph abuild be taken of the facade to illustrate what is done,

NOTES ON BUILDINGS AT DIGHTL

Tamb and margar known at Jamali Kanalis. - The pointing in the masonry of the mosque has been done too beavily and in grey. It should be as light as possible and of the same colour, as the stone. No more planter Limit Kamali pass the Ketata. Mangam than almobinely necessary should be used anywhere.

The militalis or western niches of the mosque should be cleaned.

The finial or pinnacic of the central dame of the mosque has been incorrectly renewed and should be removed; failing more authorite information of the Original surface of the dome, it would be better to colour the planter like the manoury, not grey us at present,

The ornamental plaster inches in the enclosure walls of the morque should be chaned, Tomb of Jamush Kamati. - All the excessor and interior tile work should be carefully chanced. The painting of the plaster, ceiling, and walk should adhere closely to the original colours. The week might be given to Ismail Chan, painter in Dulin. The pavenent of stone aquares, about to be repaired in front of the numb, has a central period of ornamental physics which should be left as originally designed. The pattern can be made out from abut is left.

[An estimate has been recommended by me for the above and eastforms!.]

The mosque and touth when repaired should be in charge of a vendent chewleider and not made over to the Mahammadans. Near Jameli Kamali is a rectangular payillars on a square pillars with a doined planter ceiling with care on account of its incred creaments.

Katab Minur and increamining carthings.—These should be enclosed by a fence of wice

Sums himse and communiting supported on come sprights, and the grounds turked and pathdirection the fence should take, and what grounds and buildings should be enclosed. TAN estimate for this has been sanctioned.

The tomb of Imain Zamin should have all whitewash removed from its walls and pieced screens and its fallen chujia resound. [An estimate for Re. 43 France Tables. has been recommended by me for the above and sanctismed.)

Alond-Jin's Gateway, To have a concrete floor and as reasoney carvings and walls cleaned. The missing points of the cusped arch to the enst Atlandation Date. should be renewed. [An emissible has been perunmented by me and sunctioned for the above.

Shams-ud-dry's Torut .- Clean up the marble combatone and remove all traces of whitewash from the curved masoury walls of the structure. Stampolishin's Touch-

The great range of unches in the Masjid-Kumb-oldslam require to have their target surfaces cleaned, also do the curved pillars of the columnals. A Green Archiva. lump sum of say, Rs. 500 might with advantage he set with this year, i.e., before the end of March, for changing such carved work. The domes of the needing should be reprized George of served south.

where measury, also the terrace roofs. [An estimate for the above has been mortished.] Tombs of the Lodis near the road between the Safalar Jung and Humayan tends.-There

are two octaganal tombs and two square ones, all worth otter-Timmin of the Lotte. tion. The two latter are close together and encouched on by ducilings of cultivature.

Attached to the larger square touth is a mosque with profitse plaster ornament occupied, apparently by cattle, and very duty and neglected. All the buildings should be placed in a cate of cleanliness and repair, and rendered accessible from the made by paths. Crowned plant should be made of the made of the different classes of ornamental planter and stone work,

A Districtable of the painting purpleyed by the Mopels need Apper's from

Hamayon's Tomb .- The railing on the raised platform to be repaired. The interior walts of chunam require cleaning and the portions whitewashed shot ald on the roof should be removated. The plantered walls of the roof buildings should be elegated. fromtype's Tent.

and the chajias repaired. The inlaid payed flours of the interior of the tomb should be

renovated whose damaged.

The small tumb in the Hamayon enclosure requires to be freed at weeds and small trees and the floor cenewed in concents. [An estimate for Rs. 187 has been sunctioned for this.] The bins-domed temb outside the Humayus enclosure inwards the Jumma should be rendered accessible and the surrounding ground treed from cultivation. The tile work on it about be cleaned and protocred where middful by comput. [An estimate has been sanctioned for this]

Kila Kena Metjid in Parant Kila - This should be cleaned up. The floor repaired

in concrete, the stone and marble mounts required, the fallen Mills Mints Mines. expaired, and leaks in the vool stopped. All the interior stone and markle work about he thoroughly cleaned. [Lieutmunt Abbott has been furnished with the plans and drawings of this reserve made in my office, and has framed an estimate which I have seen and have recommended an expenditure this year of Rs. 2,500.

Demon-i-Rhaz in the Delhi Fact .- The condition of this Discount Knes in the Dulle Fort. palace building has already been noted on in my report of the

10th May 1880,

The first thing to be done is to provide for the security of the roof without describing the weeden critings. The wooden joints should therefore be left and when necessary strongthened and supplemented by imp girders. What is actually required can only be accortained when the rout is upened out from above.

The central ceiling should be repainted according to the original pattern, and the

verandah contrigs retouched in damaged places,

The whole of the mostic work should be restored where the original pattern is known, The railings towards the Jomna and flanking the building abould be removated. [No estimate has as yet been shown up for this. I have recommended an expenditure of Rs. 3,000 this year. Disagree-in in the Delhe Fart. The black muchls messic work behind the throne requires

Description of the Fest . complete renovation, and a sough estimate should be fermed hazed on the full-sized stagings that I have had prepared. A number of columnst drawings were made by Defili article before the matiny, and from copies of these obtained from carinos sources, I have been able to accertain the design of the original treatie. Their precess that were removed by So John Jones in 1857 and new in the India museum at South Kennington have been requed. No estimate has at yet been framed. I have recommended an expenditure this year of Rs. 2,000]

The blandon Pavilion in the Pelhi Fost, now occupied as a gymnacom, is to be made over for repairs (mide laner No. 22) of the 66th January from the Inspector-Constall of Military Works; in estimate should Grain Pattiers, Dillii Port. therefore he framed for renewing the flow and mornic work and for rentering the fallon charges. It will also be necessary to relimit the stanking knowness which were like those in the corresponding Pavillon Sawun.

11. Up to the end of the financial year 1882-83, Lieutenant Abbott has been engaged in carrying out the various sanctioned works, Limitennot Abbotra modifying them where necessary. He has also been engaged, in consultation with me, in framing and revising estimates for the various buildings at Labore, Delh), and Jullandar, noted on by me in January last. The estimates are noticed in the loregoing inspection reports.

12 After conferring personally with Columet Limond, R.E., C.B., Secretary, to Government, Punjab, Public Works Department,

have now addressed him officially as follows (88)-84

"I have the borour to enclose the following estimates received from Lieutenant Alibert, Riff., Assistant Engineer, Arthocological Sup-Division, Punjab ;i. - Revised estimate for relaying the upper terrace of Jahangir's

Ra

65,100 51,919 17. Estimate for special repairs to the Shahfiotar Cardens, Lahore 794 12.540

of have noted my recommendations on the reports of each entimate.

"As regards the relaying of the upper terrace of Jahanger's Tomb, I recommend the expenditure of Rs. 5,000 on a portion, so that a rate for the whole may be arrived at.

"As regards the special repairs to Jahanger's Tomb, nothing will show to advantage if the garden is a jungle, and to put the massiney drain channels, paths, and plots of ground in decent order is, I think, a very proper work for the Public Works Department to undertake. I would the property of Paragraphics of Paragraphics of Paragraphics of Paragraphics. therefore propose an expenditure of Rs. 2,000 on this.

Towards the other stacks specified in the estimate, I recommend an allotment of Rs 5,000 to be applied to renovating the walls and collings of the verandah, and in cleaning up and renewing the irracoes on the walls and ceilings in the corridors. I have initialed the lams con-

ecenting this work. They amount to Rs. 5,607.
"With reference to the estimates for the Shaklimar Gardens, I recommend an allotment of Rs. 704 for the annual repairs, provided that no whitewash be undertaken, and that the pavilines be gradually chanamed.

"For the special repairs to the Shahlimar Gurdens, I recommend Rs. 4,000 this year

to be applied as Licutenant Abbott may think best, so as to cover the more argent repairs,

"The various works in progress or projected now stand as follows, and I have noted the allotments which I would recommend:—

Works.	Propriet after	
NO.	med.	Remarks.
Jahangir's Tomb.	Rt.	
Amount of estimate Rs, 65,100 Expended to end of March . # 17,324	1	7.0
Bitanen 47.776	\$,000	To cover an experimental re-
Special repairs Rs. 51,029 Alterment for garden	5,000	This I think most necessary.
Shahlimar Gardens,		The same and second
L-Special repairs Ra. 17,546	45000	W-6795
11 (151)	794	Exclusive of whitewards.
Petty repairs to the terrial buildings of histo- vital interest round Labore.		
Balance of estimate Naulahka Pavilion, Labore Fort—	min.	As far as I remember to affec-
Special repairs Removal of railway buildings at Shalidara	1,000	To commence repairs to struc-
Repairs to Fort historical buildings 800	390 800	Moral
Nakodar Tombe—	800	No estimate has reached me.
Special repairs to Kila Kona 5.743	2,000	I have not seen this estimate,
Mosque, Delhi . 4.264 Petty repairs to fenorical buildings in and around Delhi	2,500	To be applied as Lieutenant Abbott thinks best.
Transfer Street, and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the secon	2,227	
Hiem Minar Tank, and Baradari, Gujranwala	300	A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH
Establishment .	2,700	
Dewan-i-Shue roof as Delhi	3,000	2
Deway-i-am mosaic at Dolhi	2,000	No estimate prepared yet,
Donald all and	34,413	
Panjuly allotment	15,600	
Balance required	19,413	

"I have not yet seen the Nakodar Tomb estimates and should like to do so.

[&]quot;If this projected allotment is approved by His Hosour the Lieutenant-Governor, I will recommend in allotment of Rs. 19-113 to make up the necessary balance,

13. Since this I have received and commented on estimates framed by Lieutenant Abbott, R.E., for annual repairs to various buildings in and near the Lahore Fort, and for restoring the unique black marble mosaic at the back of the throne in the Diwan-i-am, Delhi, and have seen the estimates of the Nakodar Tomb.

11. A sum of Rs. 19,892 has been finally allotted from the Government of

India grant towards the various works specified above.

15. The following is a memorandum on excavations undertaken in Eusof-

Memorandum on Ancient Monuments in Eurofean, with a description of the explorations undertuben from the 14th February to the 16th April 1883, and suggestions for the disposal of the mulptures.

r. The accompanying map of the Eurofrai district above some of the principal sites where Buddhis rum are known to exist. The majority of these have been explored—some thoroughly, others partially. Dr. Bellev obtained a large number of sculptures from Sahri Bahlol and Sawal Dhey; Dr. Leitner got others from the Taktu-i Bahl. Companies of Sappure working under General Cunninghism, explored at various times the Taktu-i-Hahl, Jamaigiri, Kharkai, Charsadda, and some sizes on the Karanas 1401. Other hands and collections of the Companies of Sappure working under General Cunninghism, the Karamar Hill. Others have removed sculptures from many of the Buddhial localities, but until executly nothing has been attempted, year by year, to systematically collect and pressaye all the archaeological and artistic seidence of the country. On the 23rd August 1881, I submitted some recommendations to the Punjab Government for dealing with the rains in the Peshawar

a Captain Martin, R.E., and Luntenant Maxwell, R.E., were at work with the 4th and District. Ranigas, the Karattar Hill, Bakshali, and the Takht-i-Bahi in February 1882, and impected Captain Martin's excavations at Chargudda. Lieutenant Maxwell's explorations were under-

taken after I leit the district.

Report to explorations in Empirical, with resume the minguistic

1. I sent in a report, dated June 1882, on the season's work, and recommended the Punjaly Government to systematically offer rewards for discoveries; also to explore particular sites by means of the tribes-people working under a native of the district.

4. This led to excavations, to arrange for which I visited Peshawar in January last. The Commissioner and Deputy Commissioner of Peshawar deputed Ibrahim Khan, of Zeda, to undertake the exploration of Rank gas through the Khude Kheyla; and Cokusel Jenkins, Commanding the Guides at Mardan, Concessions in 1984. kindly less Jestadar Raleh Khan, Havildar Mamm Shah, and Naik Taza Gul to conduct the

5. On the 14th January, I went over the Sanghao mins and pointed out to Havildar excavations at Saughao. Magain Shali what I shought should be commenced first.

Inspection of Saughan (Jamesey).

6. I proceeded with thenhim Khan, of Zeda, to Ranigat in the Khudo Kheyl country, and on the 17th January visited the Buddhist Fort and pointed only inspection of Brains (jumes). what should be done-

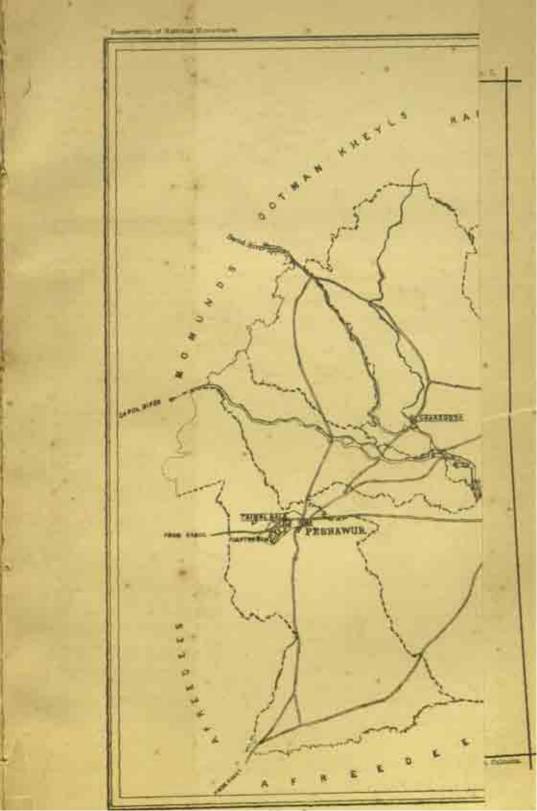
My preliminary notes on Sanghao and Ranigat are here quoted :-

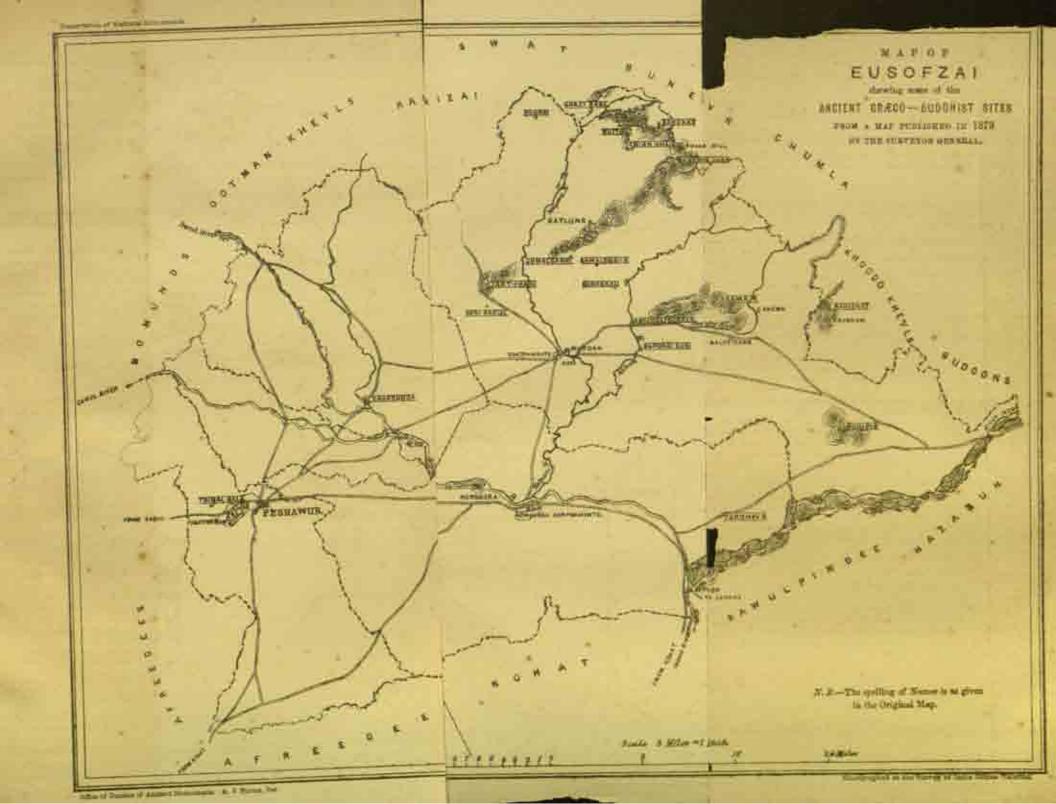
Buddhist vemnins at Sanghus, in Ensufant.

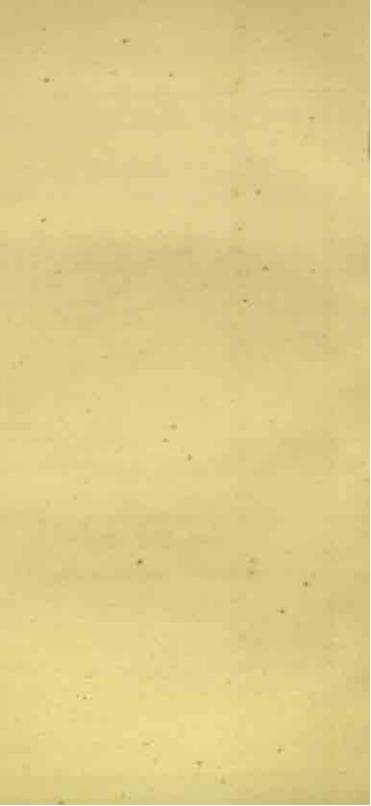
1. These are in a valley beyond Katlung, and are known to Mazam Slmb, Havildar of the Guides, who accompanied me over them,

They extend over a large area on either side of a stream running from north-east to south-West !

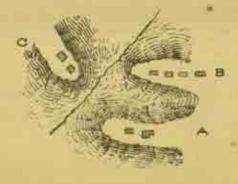
U.Gomesi Carmingham discovered Jamaight in 1848. Chestranus (1909 Sir Herry) Learning sing at Markes) atoms also as the expect of the Commissioner of Epitaeras, Coloral Macheson. Licenteeras, Laureiras and Stokes partially expected Jamaight and Takhes-Shakittu 1849. On Bulley partially expected Schrift Bankit about 1869. General Macheson ext Supports in the Linkon-Shakit jumbisepo, and a large camber of exclusives were departed in the Linkon-Shakit jumbisepo to exclusive the Coloral Coloral Hamilton Macheson. Licenteeras (1909) and the English Stokes Coloral Hamilton Macheson. In 1877-7 discrete discrete for Supports in the Sadam Valley. Licenteeras Crempton, Life, in 1888, Annales Convenience in 1877-7 discrete discrete for Supports in the Sadam Valley. Licenteeras Crempton, Life, in 1888, the Sadam Valley. Licenteeras Crempton, Life, in 1888, the Sadam Valley. Licenteeras (1909) and 1889-1889 and 1889-1889. A Coloral tree Periodical Coloral in 1889-1889 and 1889-1889 and 1889-1889. A coloral in 1889-1889 and 1889-1889. Support under Licenteeras Management in 1871-1889. Support and Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Coloral Co



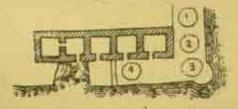


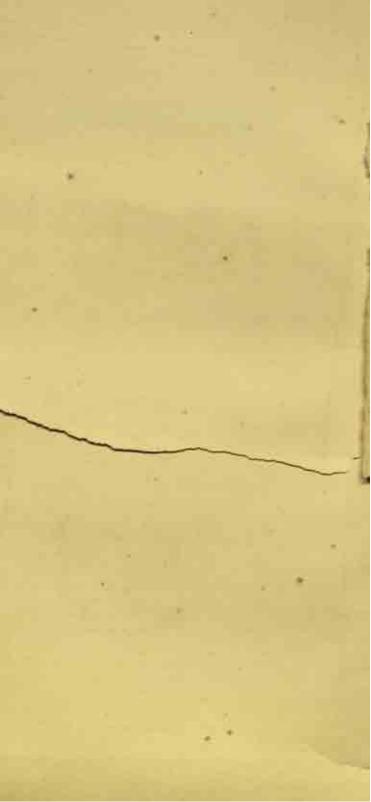


SUPPRIEST SEMANNE AT RANGULAD IN SUSCESSED.

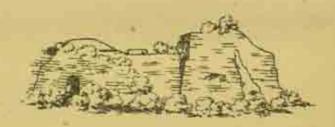


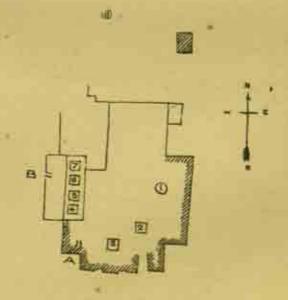
EXETCH PLAN OF DIPES BRIDGING AT A.

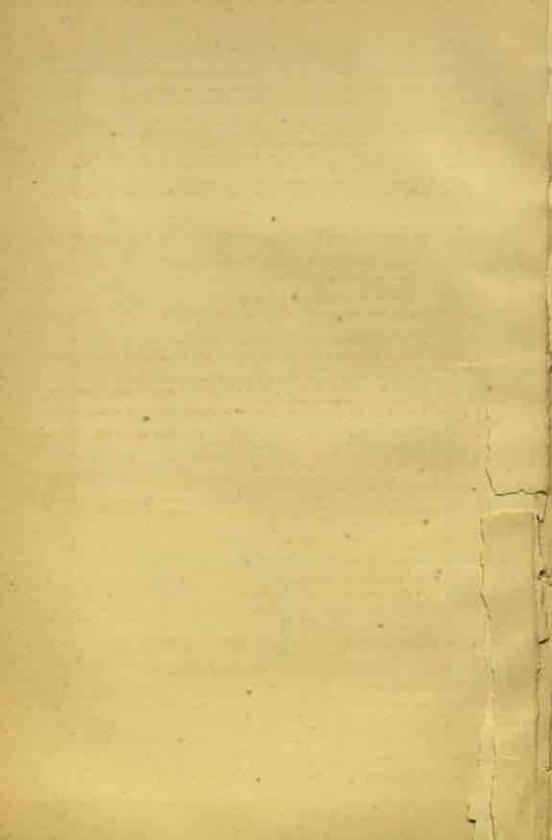




PERIOR AND PLAN OF THE SUDDRESS FORT AT RANGAT IN EUROPEAL.







2. The most important buildings are on ridges, but many are scattered on the bill-tides, See sketch. Those at (A) are known to Mazam Shah, and should as a first measure be freed from debris and surth.

The upper building (1) is somewhat on the plan shown in the sketch. There are domed chambers, all or which should be emptied of debris down to the floor-level. The second build-

ing (2) has a somewhat similar series, which are also to be cleared out.

3. The buildings at (A) are to be put first in hand; then those at (B); then those on the other side of the stream at (C). Great attention is to be paid to the following:

(1) No walls are to be broken down or damaged in digging.

(0) In clearing away earth from walls, the excavaisms are to be carried down to flour-levels or to the ground.
(3) The earth excevated is to be carefully searched for carvings or coins.

- (4) All carvings to be carefully marked as coming from Sanghao, and a note made of the position in which they were found. All sculptures to be brought into
- 4. A sum of Rs. 800 will be available at once for this work, sign-

Clearing jungle from buildings.

Excavation,

Carriage of carvings, &co to Mardan.

Reports of what is done and progress of the work to be sent to me.

Buildhist remains at Ranigal, in Eurofani.

t. Ibrahim Khan, of Zeda, went over the ruim with me, and is acquainted with the position of all the buildings noted on the sketch plan-

2. All jungle to be cut down so as to show the walls of the different runn,

The large Tope at (1) to be cleared first, and a shaft or well large enough to hold a man sunk in the centre down to the original ground surface.

The Topes Nos. (2), (3), (4), (5), (6), and (7) are to be cleared and bored in the centre in a

similar way.

The passages in the walls of the Fort at (A) and (B) are to be next opened out. The well under the hemispherical dome at (8) to be opened and cleared.

A small square Tope further north to be cleared and examined. The walls beyond this are to be cleared of debris and examined.

3. A road track to be made to the nearest road, and the shortest path up to the Ranigat

Fort from Nogram to be made passable for the carriage down of carvings.

4. All carvings to be clearly marked as from Ranigar, and notes taken of where any stones or coins, 8cc., were dug out. They should be removed at once to Mardan, and reports are to be made to me of what is found and of services rendered by Asard of Totali, or any other Khudo Kheyls.

5. A sum of Rs, 1, me will be available for this work, i.e.,-

Classing jungle. Excavation, Carriage to Hoti Mardan. Improving path down from Ranigat.

7. On my return to Eusofani the end of March, I found to my regret that the Ranigut work had come to a stand-still owing to danurbances among the Hairight (Mitroli). Khudo Kheyls,

8. The Sanghao explorations were, however, proceeding most satisfactorily. Colored Jenkins showed me a large number of sculptures that had been Hem. b of Saughas empresses brought into Mardan and depended in the Regimental Magarine at the Port More were coming in,

9. A report, dated the 10th March, by Lieutenant Younghishand of the Guides, described the work as he saw it on the 5th and 6th March. The sites at Sanghao and at Tangi had been opened out and 90 Blockmant Visusphindens Viceport. pieces of sculptured stones sent into Mardan. The villagers were reported very willing so work and friendly. No cases of tampering with the sculptures had occurred.

10. On the 30th March I went over the sites at Sanghao, Tangi, and Norm with the beautipe of Sanghao (March I). Native Officers of the Guides and saw all that had been done.

dispersion of Samples (March). up to date. After I had left, a fresh site sear the old village id

Mian Khan was opened out and a number of sculptures discovered and sent in-

11. I returned to Martian on the gest March, and remained there in camp pending the decision of Government as to proceeding with the Ranigut eaplerations. During this time I was occupied in marking and Marking and photographing sculpnumbering the scalptures that had been conveyed to the magaains, and in selecting the best of the curved stones for photography. Mr. Serrot, photographer of Peshawar, came to Mardan and took 32 photographs for me; most of these (numbered) to 33) are represented in the outline drawings which accompany this, and I think Mr. Serror The negatives have been sem home for printing by heliodeserves great credit for his work.

gravurs, which is a permanent process.

12. When I visited Kusufsai in 1882, Colonel Jenkins draw my attention to the objections to employing companies of Sappers and Miners in explorations. Objections to employment of Sag-The village people dislike soldiers being quartered on them.

Provisions are not abundant, and disagreements are apt to break out.

13. On the other hand, local labour is cheerfully furnished on payment. The inhabitants profit by the work and are quite capable of performing it Advantages of employing head satisfactorily without either wantonly damaging the ruins in digging or defacing the sculptures when found. There is this additional advantage, too, that the villagers are anxious to point out fresh sites, which they never are in the case of Suppers, whose presence they dislike.

14. From all points of view, therefore, the exporment of utilising the local labour has been a complete success, and fully justifies a commance of the system. The cost is most moderate compared with the ex-Payeriment of using board labour it STREET WITHOUT Wive hundred and three pieces of scripture of all sizes were propense of paying for Sappers. cured and landed at Labore for Rs. 510. This gives an average of a little over one rupce per sculpture, whereas the average in the case of Sapper Indoor is often much in excess of Rs. 10.

25. I have already submitted some recommendations for the continuance of work through Jemadar Kaleli Khan, and am convinced that by rewards to Encourage adultions for furning mick, villagers for bringing in discoveries, and by annual excuvations at chosen spots, a complete series of archeological and artistic evidence will be collected and

preserved for the speculation and deductions of the scientific and learned world.

16. Before describing the various sculptures that were uncarried from the buildings, the sense properties of the fine tenture to make some general remarks on the singular characteristic me comment. The first impression given by a more plants at any of the carvings is the strong influence of Greek art; but when we come to carefully analyse the whole subject, the composing elements are curiously mixed. General Company has described at some length the Grace-Bactrian architecture of Rusefral, and these who desire to form their own conclusions would do well to study the Archaeological

Survey Reports, Vol. II and Vol. V; also to rend Mr. Fergus-Alexander's Impaire of Testa. son's chapter on the Gandhara Monasteries in his " History of Indian and Eastern Architecture." Of this, however it is quite certain that Alexander's la-

forms of ornament became general in the Cabul Valley, in the Upper Panjah, and in Kashmir, 17. The Coristhian order approduces itself all over Eurofasi, the Dock order in Kashmir, Cornelium come, Done outer, and the Ionic order at Taxila (Shahderi, between Attock and

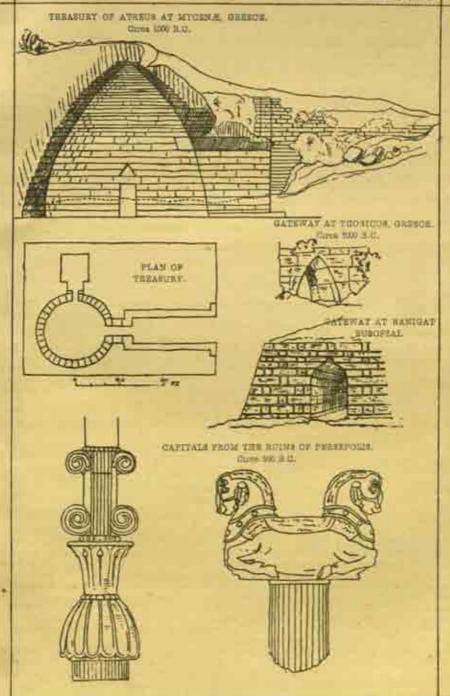
Rawalpindil.

18. But Alexander had computered Persia before he penetrated to the Indias, and he seems to have introduced into India a knowledge of the pataces #1 Persian informe. Persepole. The Indo-Persian capital is frequently found in Eusefrai; it occurs also in Madras at Amravati, in Bombay in the Bedsa and Kurli caves, in Bengal at Buddha Goya, and in Central India at Blurbut and at Sanchi.

to. Whether Person and Greek art had made strell left on India before Alexander's Concernment of Greek and Per-

is at present so meagre.

20. The Fort at Ranigat has all the appearance of great antiquity; the walls are very massive, and constructed of large blocks of hown granite laid Raulest. ever 6 feet in length, and mortar of very great hardness is used; but instead of being pointed, the joints are filled with thin slabs of stone or slate. The main entrance is a pointed archway cut in the horizontal layers of stone walling, and signage into the body of the stronghold, pro-hably juning a similar passage on the west of the Fort. The arch, instead of finishing in a point, has a rectangular termination (see sheet No. 4) similar to the section of an architect Plenuius tourb at Corm! dating from many centuries B.C.





21. It might be hantily concluded that the pointed archway at Ranigar is Saraconic, but the interior of the Fert has remains of several Buildhist Topes Archivity at Rossigitt. with sculptures in stone and planter resembling those undinurily. found elsewhere in Eurofini, and dating from about the commencement of the Christian era. The Ranigar gainway, therefore, completely proves that pointed archways were in use in Northern India before the birth of the Prophet.

22. The autiquity of Ranigas is a subject for speculation. General Curmingham endeavours to identify the Forures which Alexander captured about 326 B.C., and if this identity could be established to architecture would supply an unportant sequence to the very early Pelasgic art of Greece. The guidmay at Thorsens shown in the lithographic plate dures from about 1000 B. C., and resembles this Ranigat entrance in the curvilinear form of doorway, as well as in the hersonial construction.

Another circumstance connected with the Graco-Bactrian architecture of Empirical is the appearance of hemispherical domes built, on the principle Domes to Eusefini. Mycenze, which is a very artique example of Pelasgic art (see sheet No. 4), is noticed by Mr. Fergusson as that adopted by the Jama architects in India; and the Treasury or Granary which I discovered among the Sanghan mine seems to me to Sagher Treasury. form a most important link between the Pelasgic Treasures at

Mycume and Jaina architecture.

24. But the Sanghao building is important in another respect, as showing that the mode of raising a semicircular dome on a square chamber by one Singularity of the Singular atmenbelling out the corners of the unture and forming an octagon found its way to India before either the Jams had commenced their wondering system of constructing domes over pillars, or the Muhammadara had introduced their elaborate methods of doming over square chambers (see sheets 6 and 7). I know of no other example of a square chamber, corbelled out at the corners and dorned over, that is not Muhammadan. It has generally been assumed that a construction such as appears in the Sanghao Granury is to be traced to Muhammadan architects. Here, at all events, is an example which completely appets the theory. The masonry resembles that used in all the Buddhot monasteries in the neighbourhood, and the building is above, and quito close to, the group of structures where two come of Kaniskha's serie found. It is, therefore, tolerably cartain that the date is not later than So A.D., and may be much earlier.

Architectons! representations

Nithe or chapet discovered by Mr. Demptter, C.S.

25. While both Rangon and Saughao afford good structural example of early terms of Graco-Bantrian architecture, Esmofrai scalptored bas-reliefs often contain representations of buildings their afford evidence of the constructive methods that were in vogue in the country. 26. One elaborate piece of carving represented in the outline drawing, short No. 5. Canals, and he kindly allowed me to have a photographed. In the upper right-hand corner we have a very perfect representa-

rion of a hemispherical dome on pillars with Corinthian capitals. Whether the denied roofs represented were of actual lent seems doubtful. The columns below are certainly taken from stone models, and the domes may have been of stone with a leaf ornament applied to the surface. A somewhat similar domed building is represented in a bus-relief of the railing of the Bhathat Tope in Central India, the date of which has been accertained by General Cummagham to be 150—170 B.C. Over the head of the right-hand figure is the Buddhist arch, pointed at the top, but circular inside, and it reproduces what is lumillar to us in the Buddhist cases in Bombay—to various Buddhist scriptured and painted representations of buildings and in the monotone Vibaras adapted from Buddhist architecture by the Hindus at the Seven Pagodas in Madras. Whether Venice trading with the East got the him from India or not, the circular archways in the apper part of St. Marks of Venice (daing from the eleventh century A.D.) resemble this Buddhist arch, and have the same postured terminations. outside. We have also in this sculpture a interably perfect representation of a chapel or niche embraned in a trefoil such. The column on Buddha's left is distinctly Indo-Person, as may he seem by comparing the capital with those at Persepole (see sheet No. 4). Dentile of a classical form enrich the various mouldings, and the rail here used senamentally is copiect from the railings which usually surround Isilian Buddiss Topes, General Connuceham has given me the following vote: - "The small figure at the top represents Buddha on his mass Chunda (the body of the borse is broken) leaving his borse by night. The central figure is Buildha teaching, with a royal figure standing on each side. Below is a row of eight Buddhas,"

27. Perhaps the most ornamental architectural features that adorn the Gandhara Monanheries are to be found in the Corinthian capitals of columns Crevetitian expired of Presoluti and pilasters. General Cunningham brought away a remarkable series from Ensutzai, some of which are in the Calcutta Museum and some in the

28. No capitals of any size were discovered in excavating as Sanghao, but a small pilaster is about in sheet No. 18, and several small bases Sauthor could not plante. and capitals of columns were found at the various sites explored in the neighbourhood; all are unmistakably classical, and executed with great Sanghao capitule had pillunere.

an. In the Ensofrai cuits we have, therefore, a basis of indigenous art adapted to the requirements of Buddhist religious erdinance, and flavoured General Communication of Employer, with reflections from the Greek and Pensian orders of architecture. Besides this, we have arristic representations, of no mean order, of the Buddhist tales and fables which are associated all over India and Buddhist countries with the life of Gautama,

and fables which are nesociated all over India and Buddhist countries with the life of Gautama.

32. As will be seen from the sketch map, sheer No. 1, Sanghao is situated close to the Buneyr and Swat borders. It is 22 miles north of Mardan, and the troof to it passing close to Jamalgiri, enters a gup in the low range of hills near the village, skarte the large village and thana of Kathing, and passes through new Mian Khan to new Smighao. Both of the latter villages were moved away from the hills to the open plain as disputes were frequent among the coltivators of the soil about rights in the matter of water for irrigating the fields. The first set of runs are approached through a beautiful valley beyond old Sanghao. The largest groups of buildings are on steep spurseast and west of a stream of crystal water that flows out of the towering Pujia range of hills. The second group of rains is about 3 miles to the north at a place called Tangi. The The second group of rains is about 3 miles to the north at a place called Tangi. The third and fourth groups are on the side of a hill, 3 miles to the north of new Sanghao, at a place called Nuttu; and the fifth and last group is close to old Mian Khan.

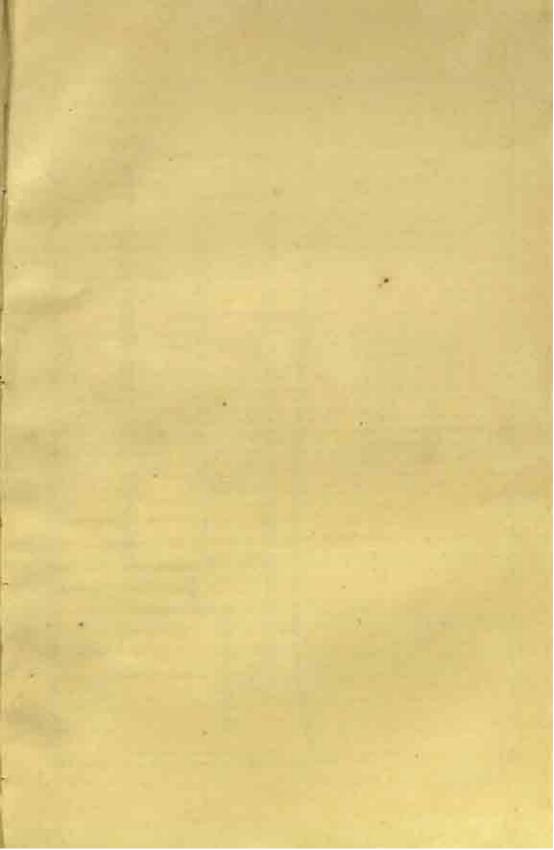
31. The exploration of the ruins which abound in this neighbourhood is not by any means exhausted; but Jemadar Kaleh Khan has had great Compares of work at Smaller, experience in excavations of Buddhist Topes and Monauteries both in Eurofesi and in the Khalber, and has a remarkably keen nose for a find, so that very Completion of work at Sanghar, little fruitless digging has been done. I hope that all the ruins of the place will be thoroughly examined. It would be most valuable if more coins or inscriptions could be found by means of which to ascertain the precise date of the structures and their remarkable embellishments. Without Colonel Jenkins's assistance it would have been difficult to secure so many sculptures. It was not merely that he lent his Natise Officers to supervise the work on the spot, but took a

personal interest in it.

ge, I am greatly indebted to Major Bell, V.C., R.E., A. Q. M. G., for allowing the outtime drawings and plans to be sincographed at the Intelligence Branch of the Quarter Master

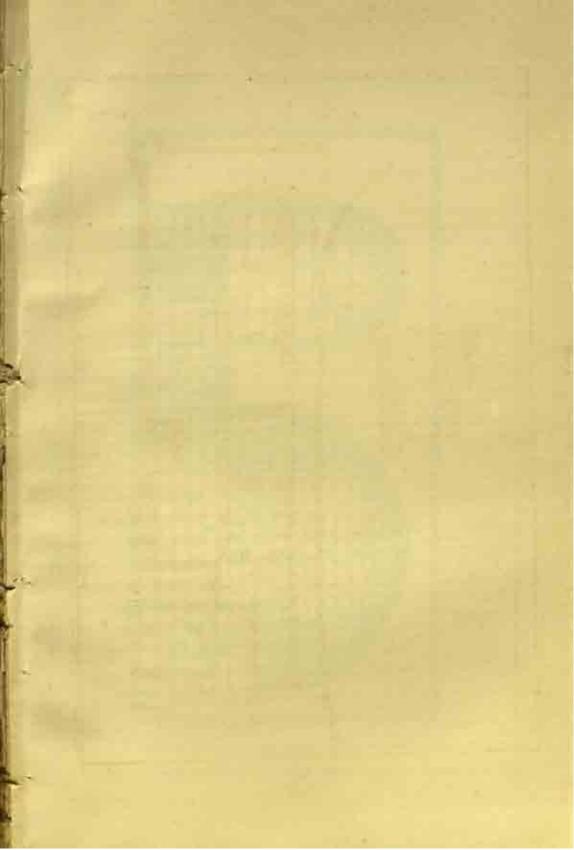
33. I shall now proceed to describe the plates which illustrate this report.

Description of pursu.



SHREE Male

10 1137 TAN OF DRABANY BELOW THE THENGE AT A

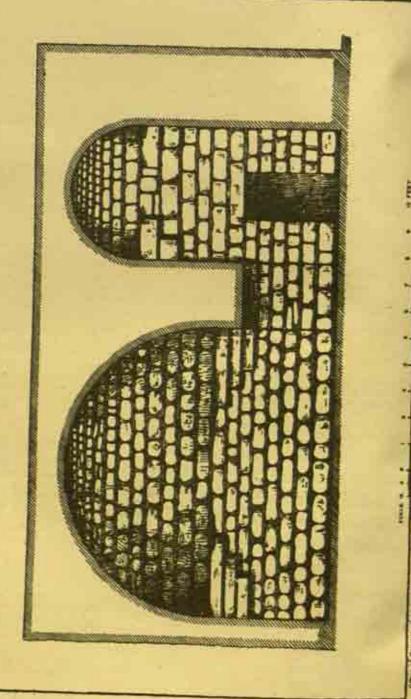


SECTION THROUGH THE DOMED GRANARIES (SEE BC) PLATE NO. 1 SANGHAO, EUSOFZAI.

number of Stational Municipals

PLATE No. 2.

BITTER MOUNT



(SHEETS & AND 7.)

- i. Plan of Buddhist house and granary at Sanghao.
- 2. Section through domed granary.

34. As I have just mentioned, this building affords an ancient example of domes constructed out of horizontal overlapping layers or rings. We find structed out of horizontal overlapping layers or rings. We find his earliest prototype in the Treasury of Afrens at Mycone is earliest prototype in the Treasury of Afrens at Mycone domes of the temples at Abu, Chittore, Udaiput, and alsowhere are made the subjects for the mode of corbelling out the corners of the square chambers, to form an octagon es shift to the mode of corbelling out the corners of the square chambers, to form an octagon es shift to place the first ring of the dome, is in use all over India in Muhammadan buildings. Until I place the first ring of the dome, is in use all over India in Muhammadan buildings. Until I place the first ring of the dome, is in use all over India in Muhammadan, but there saw the Sanghao Granary I believed this method to be essentially Muhammadan, but there has do doubt that the Granary a Buddhist and concemporaneous which the Sanghao Monstery below, in which the two Kanabika come were found and which, therefore, duted from about the beginning of the Christian era. I have called the building a granary because four ancient milliones for grinding corn were found in excavating the chambers. It may have ancient milliones for grinding corn were found in excavating the chambers. It may have and most carefully pointed with this alabs of state and stone. The only communication is by and most carefully pointed with this alabs of state and stone. The only communication is by and most carefully pointed with this alabs of state and stone. The only communication is by and most carefully pointed with this alabs of state and stone. The only communication is, No carefully and of states and stone and flight of steps, and the three-domes chambers were thus very securely shurin. No carefully images or fragments of sculpture were found at this site.

(SHEET No. 8.)

Plate 3. Plan of Buddhist Monastery near Sanghao.

35. This is the first building that was excavated. The basement where the sculptures were found is earlier and more oblique than the surrounding walls and upper story. I marked and numbered the dis-Sanchan Monassey,

coveries with the letter S | to 134. [Including an earthenware lotah.]
36. Two copper come and a brass ring were found in the Treasury in earthenware jars embedded in the floor at the corners A and B. The coins are those of Kamahas General Conningham has been good enough to examine them and to give me the following description:— Both of your coirs are of King Kanishka, whose name is always spell Kanishka on his coins. On the obverse of both is the king standing with his right hard pointed downwards to a small after, and his left hand raised and holding a spear. The interprison of which only faint traces now remain is "Pao Kantrar," On the roverse of one is a male figure standing, with his left hand on his hip and his right hand holding out a wreath. Inscription nearly obliterated "a ro," or the God and his right hand beading out a wreath, Inscription nearly obsterated "a ro," or the God of Fire. On the resurse of the other there is a running figure, holding up his robe with both hands. Part of the inscription still remains "o. Ao, which is the Zend for wind, and the ligure represents the God of the Wind. The date of Kanishka is still unsertled, but I am satisfied that he must have been reigning from about \$5 to 120 A.D." It may therefore be conjectured that the buildings and decorative scalptures of this monastery date from about the

beginning of the Christian era, 37. The stone figures and fragments were found at the places marked C. A few planter figures were found at the places marked D on the basement Sanghan sculptures, plan. All the sculptures are marked S and numbered,

They comprise 134 pieces of all sizes :-

(r) Circular frieses of figure subjects that adorned the small Tope.

(2.) Panels of Buddha and worshippers used in plinths or entablatures. (3.) Two figures lineeling and supporting a superstructure or entablature. (These resemble the attitude of Atlan supporting the carth.)

(4.) Two Cormitian capitals of inclated pillars.

(5) Fourteen terminal figures of lions, and one figure of an elephant.
(6.) One complete panel (rather weather-worn) of the birth of Buddha.

(7.) Numbers of small square pilasters with Corinthian capitalwand figures carved on

(8.) One circular disc with a sculptured edge, probably used to surmount one of the

(a) A carried knob rudely representing the figure of a woman in the talons of a flying eagle. (For similar subject, see about No. 74.)

(10.) Two fragments of a circular friess-Boys supporting a garland. (For similar, subject, see sheet No. 23.)

(11.) A fragment of a figure : subject - A woman in the foreground looking at herself in a glass held in the left hand,

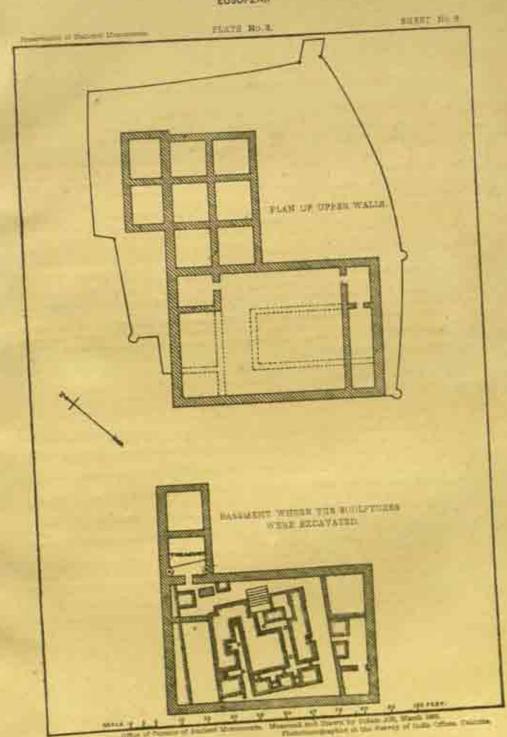
(12) A fragment of a woman in the talms of an eagle. (The eagle is headless.)

113.) Fragment of a figure: subject-Standing figure (like a Grecian warrier) with a spear and shield. A man kneeling over a prostrate figure. A standing figure in an attitude of supplication,

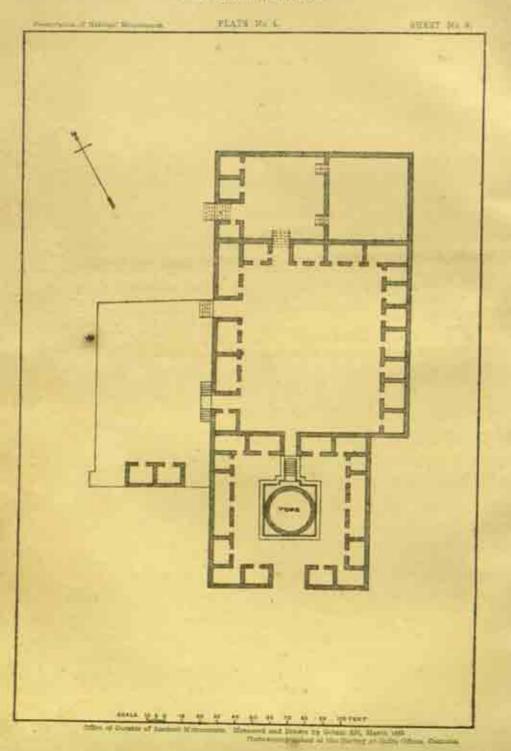
(14) Several figures in a dourway. Figures above looking over a battlement.

(15.) Figure of a woman in the talons of an eagle. (For similar subject, see sheet

PLAN OF BUDDHIST MONASTERY NEAR SANGHAD, EUSOFZAL



PLAN OF BUDDHIST MCMASTERY AND TOPE AT TANGE NEAR BANGHAD, EUSDFZAL



(SHEET No. 9.)

Plan No. 4. Plan of Buddhist Monastery and Tope at Tangi near Sanghao.

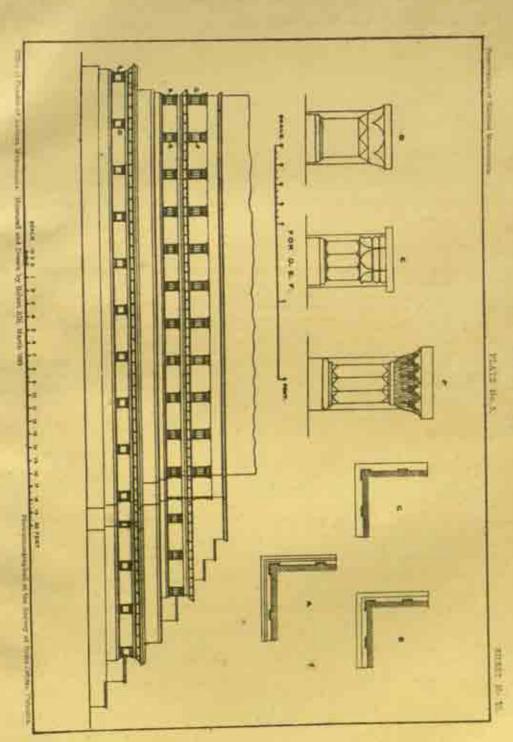
38. The buildings at Tangi are important in respect at least of their size. The Tope, which rests on a square basement, was faid bare, but only a few planter images were discovered, and the plant found to be faced with plaster. A shaft was make in the centre of the Tope, but no relice were obtained. As the earthwork was very heavy, and no stone scalptures were uncarthed, the plane was abandoned. It is possible that some of the chambers shown on the plan were used as chapels, and a further search is desirable, by clearing the buildings of the accommissions of surth.

(SHEET No. 10.)

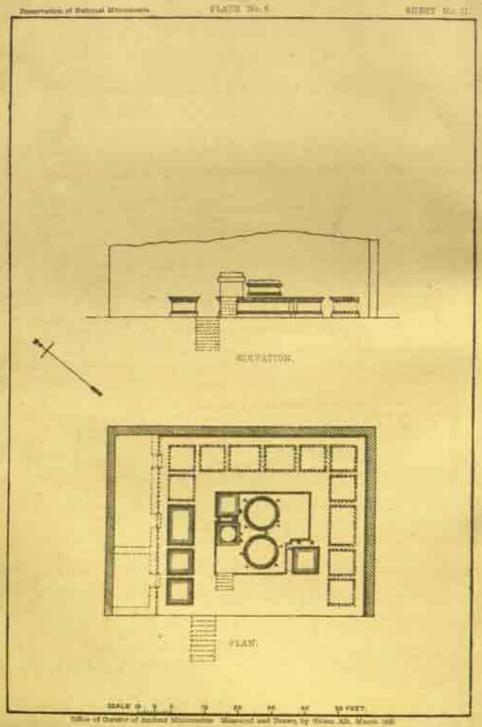
Plan No. 5. Basement and details of the Buddhist Tope at Tangi near Sanghao.

39. From the size of the Tope some more important results were to be expected, but if nothing else, the building laid bare affords a good idea of the nothing else, the building laid bare affords a good idea of the nothing else, the building laid bare affords a good idea of the planter and decorated with ranges of pilasters, in the same occurs at the Shiah Posh Pope at Jellalabad, where Jernadar Kaleh Khan was at work during the Afghan war. The Tope at Jellalabad, where Jernadar Kaleh Khan was at work during the Afghan war. The tope at Jellalabad, where Jernadar Kaleh Khan was at work during the Afghan war. The astery of the second or third order, but of this it is impossible to speak with certainty until the which site has been explored.

BASEMENT AND DETAILS OF A BUDDHIST TOPE AT TANGE NEAR SANGHAO, EUSOFZAL



PLAN AND ELEVATION OF UPPER BUDDHIST MONASTERY AT NUTTU NEAR SANGHAO, EUSOFZAI.



(SHEET No. 11.)

Plan and elevation of the Upper Buddhist Monastery at Nuttu near Sanghao.

40. Although covering a small area of about 80 feet by 60 feet, this site yielded some very Upper Mucanisory at Nutta. Interesting and elaborate sculptures in atone, most of which were found at A A A round the two small central Topus. Pieces of planter figures, &c., were found at B B B. All are marked N. U. A total of 70 large and small fragments brought away, including those more particularly described, consist of the following >

1 to 4. Figures of dancing-women under a tree (see sheet No. 19).

5. A seated figure of Buddha.

6 to 10. Sundry figures.

ra to 19. Square pilasters with Corinthian capitals and figures on the shafts.

20 to 27. Small figures supporting a superstructure in a position resembling Atlan-28 to 36. Seated figures of Buddha and surrounding attendants or worshippers. (In No. 45. Buildha is represented with manufactures, the only, example that General Canningham has yet seen.)

37. Long frieze (see sheet No. 18).

38 to 43. Fragments of terminals, five with ions' heads.

44. Base of capital.

45 Part of Corinthian capital with a figure of Buddha.

40. Niche (see sheet No. 19).

47. Frieze, relic Tope and fire altar (see theer No. 18).

48. Death of Buddha. This is well carved, and has a plaster on each side.
49. Niche or chapel. In the centre compartment is a representation of Buddha's turban and hair which he cut off before entering Buddhahood.

50. Worship of Trisul emblem and flag (see sheet No. 24).

51. Frieze with horses (see sheet No. 25). 52, Birth of Buddha (see sheet No. 17).

53 to 79 Pragments of Injeres

(SHEET No. 19.)

Pian (No. 7) of the Lower Buddhist Monastery at Nuttu near Sanghao.

- 41. The hill had fallen and overwhelmed this group of buildings, but the three small chapels that were excavated yielded 70 pieces of atone sculpture there were many plaster figures attached to the walls at places marked B B which it was not worth while to remove. The stone carvings were found at places marked A A, and were all marked N. They are generally as follow:— Livery Monastry Natio,
 - 1. A horse-shoe niche or chapel (see sheet No. 19).
 - a. Death of Buildha (see sheet No. 21).
 - 3. Part of a niche or chapel. King and Queen on a couch (apparently the same persons as represented in sheet No. (o), musicians in an end compartment, one woman playing the harp, one playing what looks to be a guitar or "Bina," and a figure thumping a big drum.
 - 4. King and Queen mated in a palace (see sheet No. 20).
 - 5. A standing figure of Bothitha with attendants, and a prostrate figure at his feet.

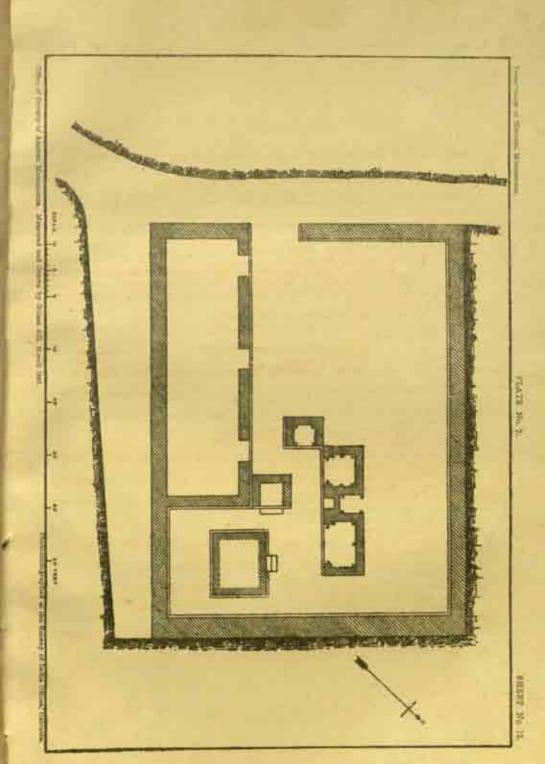
 A cosele on the left.
 - 6. A kneeling figure supporting a Trisul (see sheet No. 21).

 - 7. A kneeling figure worshipping a garland.
 8, 9, 17, and 18. Parts of frieses of standing figures some with a nimbus encircling the
 - to and to. Parts of frames of standing figures with halos and umbrellas of state over them.
 - \$1. Panel of a sented Buddha and worshippers.
 - to. Part of a circular frieze with two panels between columns of seated Buildhay, each with two worshippers.
 - 13 and 24. Parts of circular frieses—Boys and garlands, 14. Part of a circular friese (see sheet No. 23).

 - 15 and 16. Fragments of circular frience-Panels with figures between pilanters or columns. In one panel is a representation of a Tope or Stupa-
 - 20. A scated figure of Buddha-Boy with a plough and pair of bullocks on the left. In the rear is a man and horse.
 - 21. King and Queen in a palace seated on a throne, with their feer on stools. An assetic is scated on a stool to the left; on the right is an attendant.
 - 22. Sented Buddha in a horse-shoe miche.
 - 23. Seated Buildha in a traind miche.
 - 24, 25, 29, 33, 34, 35. Friezes of small figures under horse-shoe arches with intermediate Indo-Persian columns.
 - 27, 28, 30, 32. Fragments of a circular frince, with standing figures.

 - 31. Straight frieze of small figures standing.
 36. Part of an Acouthus capital, and scated figure of Buddha in the centre.
 37, 38 and 39. Parts of a Tire which surmounted a Tope, the wheel is about 15 inches stimmeter.
 - 40 to 43. Fragments,
 - 44. Base and feet of a standing figure; sandals are on the feet, with a large hutton between the big and next toe.
 - 45 to 79. Fragments of stone sculptures, not including 7 planter heads.

PLAN OF THE LOWER BUDDHIST MONASTERY AT NUTTU NEAR SANGHAO, EUSOFZAI.



PLAN OF A BUDDHIST MONASTERY AT MIAN KHAN EUSOFZAI.

PLATE No. S.

RITHER NO IN

(SHEET No. 13-)

Plan (No. 8) of a Buddhist Monastery at Mian Khan.

42. This must have been a place of importance, and yielded a considerable number of fine sculptures. The site was broughed after my viset of inspection himmony of Miss Klass, in March, and I only saw 30 of the sculptures which were brought into Marchan before I left. There are some a po more pieces for the to examine. Judging from the plan, there should have been about eighteen small Topes, most of them on square traverses, in the studentre. The sculptures were discovered round the plintles at places marked A A.

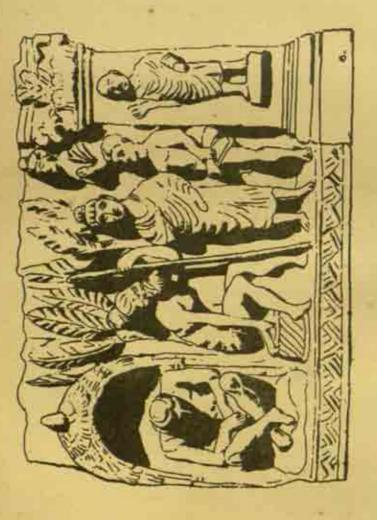
(SHEET No. 14-)

Woman and Eagle, Plate No. 21.

43. This is a very curious piece of sculpture from the Sanghao buildings (see plan 3, page Wesser and Eagle. S. 11). As already mentioned, the subject occurs in a small stone broken, sculpture was unearthed at the same place. The subject occurs again in a fragment dag up at the Upper Morassery at Name. The representation is evidently traceable to some legend, probably local. General Commission is unable to say what the meaning is, but only guesses that the figure is Maya, the mother of Buildia, being curried up to the Trayastrinsha. Heavens after her death, where it is said she was "born again,"

[Nors.—The subject, General Commingham is stella me, is suggested by the famous statue of Ganyeseda being carried of by Jupitor's Pagin (see statue of Genymetr after Loccions in the Valicas, illustrated in Vol. 1, Linke's (Time's of Scripture, page 45).





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PLATE No th.

(SHEET No. 15:)

Buddha and Ascettes, Plate No. 23.

44. This is part of a frieze with pileaters at intervals found in the Sanghao rules (see sheet No. 11). The stone has become very much decayed on the surface. The subject, General Cunningham tells me, is the visit of Buddha to the enaciated Tirthika Uruvilwa Kasyapa, an asceric, who lived in a forest of boel trees. On Buddha's left is his coasin, the evil-dispused Devadatta. Beyond Uruvilwa is a very life-like figure of an asceric bowed down in contemplation.

(SHEET No. 16.)

Buddha and Nagas, Plate No. 24.

45. A roughly executed has refuel found in the Sanghao thins (see sheet No. 11)

Bachward Nagas. S. which, like the preceding, is probably one of the subjects placed between pllasters in a frieze surrounding the Topes of the Monastery. It represents Buddha visiting a king and queen of the Nagas; Devadatta, Buddha's hustile cousin, stands on the left of the minimal with the usual thunderbolt, or whatever the symbol is that he has in his hand. The meaning of the scene is probably that Buddha has been entrapped by Devadatta into visiting the Nagas, here represented with anakes above their heads. As in similar tables, the divine influence is too strong, the Nagas fall down and worship him instead of doing the wished-for harm. Devadatta, enraged at his want of success, botts up the mountain. The Nagas are represented as being in water.

PLAYS NO. 21

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(SHEET No. 17.)

Birth of Buddha, Plate No. 14

46. A broken portion of one of the panels which probably found a place between plasters in the plinth of the Topes of the Upper Monastery at Nuttin. A complete bas-relief representing the same subject was unearthed from the monastic buildings at Sanghao. The subject is of special interest in the history of Buddhism, which General Cunningham at once identified as the Birth of Buddha. The right half of the panel is wanting. On Mayu's right should be Brahma receiving the young prince who was norn from Maya's right side, and beyond him Indra with a second strendant. The child, with a halo round his braid and the clath held by Brahma, can be made out. Maya is standing under a sil tree; her right hand is raised and holding one of the branches; her left hand is round the shoulder of her sister. To the extreme right of the panel is a famale attendant with a chaori of state, and above is a harp signifying heavenly masic.

(SHEET No. 18.)

Selection from Plates 9, 18, and 15.

47. All those sculptures are from the Upper Monastery at Nuttu (see plan 6, page 15).

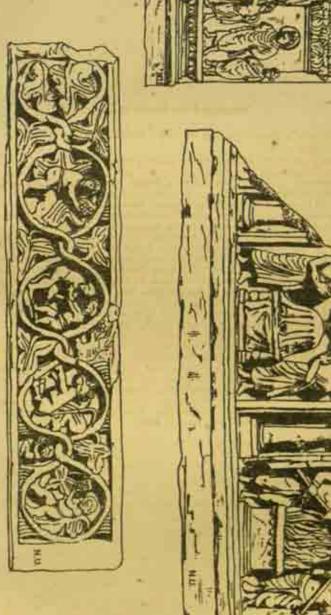
The sculpture' on the left is one of a group in plate 9, and represents a pilaster with a Finance, N. U. Asker Frience, R. Corinthian capital and a foliated base, found at the Upper U. Vin Frience, N. U. Momantery at Nutta. There are three standing figures carved on the surface of the shaft—Buddha in the centre, an attendant with a chaori on his right, and Devadatta on his left. Several similar pilasters were obtained at the same spot, and were no doubt used round the plinth of one of the Topes to alternate with panels of seated Buddhas and

worshippers, numbers of which were also dug up, and correspond in height.

The long panel of vines and boys forms the subject of plate 13, and is the only one of its class found in the Sanghao neighbourhood. It appears to be more uncient than the other scalptures procured from the Upper Monastery at Nutru (N. U.), and certainly resembles the Byzantine ivery carvings which Mr. Fergusson thinks bear a strong resemblance to many of the Gandhara has-reliefs. There can, however, be very little doubt that the age of the Nutru structures is as early as those at the Sanghao site, i.e., about the commencement of the Christian era; but if this is the case, the art of Constantine's time must have taken expression after the Eusofian structures were built. The subject represents a general feast on grapes. In the centre two boys are struggling for a bunch. On the right is a goar or some animal, and beyond a boy eating. On the left of the centre is another boy quietly engaged in the same occupation. The whole panel is curiously antique looking in the rendering of the figures and leaves, but is not without a certain degree of life-like representation.

Plate No. 15 represented at the top is part of a circular hand or frieze found at the Upper Nuttu Monastery, and surrounded one of the small Topes. The panels are separated by small columns. The one to the right represents a fire altar or funeral pile. The fire is being fed by two Buddhist monks pouring oil out of ghasts. The left panel represents the worship of relies, probably funereal relies, by two shaven manks. These are the only two scenes of the kind that

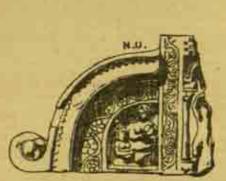
I have seen yet in any Buddhist sculptures in India.



THE REAL PROPERTY.

BILLIAN AUTHOR











KU

(SHEET No. 19.)

Selections from Plates 8, 11, and 26.

48. Plate 8 contains four pieces of sculpture, out of which two are here outlined. The first, from the Upper Nuttu Monastery, is a fragment of a chapel Philos S. H. and St. Municians in sinks. N. U. Bindden standing on some. N. U. Supporting figure, N. T. King and Queen guarding. N. U. King and Queen guarding. N. or niche representing two women, one playing a drum and the other a harp. Although it has not come out distinctly in the drawing, the latter has comething in her hand which may be a as being used to sound the ancient harp. The small drum is beaten by a stick and not with

the hand.

The floral and foliated borders are similar to those to be seen on the Sanchi Gates, and may be traced back to Grecian ornament employed in the monument of Lysicrates at Athens

(B. C. 334).

The second sculpture, taken from plate S, is also from the Upper Nuttu Monastery, and is that of a dancing-girl beneath a tree, a bough of which she is helding with her right hand. There are three other similar figures from the Upper Nuttu Monastery—one holding a bought with her right hand, the other two holding bought with their left hand. It would thus appear with her right hand, the other two holding bought with their left hand. It would thus appear with her right hand, the other two holding bought with their left hand. that they adorned the two sides of a niche or some important sculptured composition. that they adorned the two scass area inches or some important scriptured composition. The two holding with the left hand have their left leg crossed over their right, and those holding with their right hand, their right leg crossed over their left. It is a symmetrical hallet in some only two thousand years old? The figures are draped about the body as well as about the limbs. They all wear girdles of four rows of atones suspending a leaf, ankiers on both first, a necklace as well as a necklet, and hangles on the wrist. The hair is waved over the foreigned,

a necklace as well as a necklet, and hangles on the wrist. The hair is waved over the forehead, and plaited into a sort of wreath over the head, finished by two knobs. They all wear tolerably large pendant earnings. The pose of the body is in each not wanting in graes.

Plate No. 11.—A set of eight pieces of carved stones were grouped for this plate, and two of them are large depicted. The first is a panel of Buddha surrounded by worshippers. The psculiar halo or nimbus of flame round the head of the saint, and his standing on water, represent his power over the two most potent elements. The second substant from plate it is also from the Upper Notta Monastery, and consists of a figure bowed with the weight of the superstructure he is carrying on his shoulders. At Persepolis figures are found supporting plinths with applifted hands. The Caryatide figures of Greece support on their heads in place of column. The Telamones are another form of this kind of support; but all these are every whilst. columns. The Telamones are another form of this kind of support; but all these are erect, whilst the Eussizal human supporting figures are all crouched or kneeling in an Arlas-like attitude.

Plate No. 26 represents part of a nichs or chapel from the Lower Monasters at Nutsu. The Lower part is shown in the drawing. A King and Queen stated at a small table engaged in gambling. The Queen is scatted on a stool with her feet on a footsmol. The King is on a throne, his feet also on a footstool. The right arms of both are on the table, the left arm of the Queen is uplifted as if throwing slice. In the teckground are two female attendants with chaoris. The King has a sort of jewelled plame in front of his turban. General Cunning-ham describes the upper part of the niche (not here represented) as containing Buddha's almsbowl under an umbrella as an object of worthip,

(SHEET No. 20.)

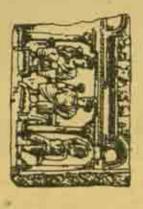
Group of Sculptures, Plate No. 20.

49. This is a group of aix different pieces of sculpture; the three upper pieces are from the Sanghao Monastery (see thest No. 11); the three lower pieces are from the Lower Nuttu Monastery. The Standing Bushiba. S. Paler sees. N. Frien. N. con lions. He is surrounded by numerous supplicants. The centre sculpture in thus described by General Cunningham:—

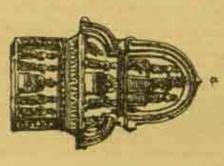
"Representation of a chapel or small temple. In the upper part of it is the famous triple ladder or flight of steps by which fluddha descended from the Iraiyaarrinsha heavens, accompanied by the gods Brahma and India. At the foot of the steps is the our Pandarika who had been changed to a man by Buddha, who was aware of her wish to see him."

The sculpture to the right represents a standing figure of Prince Sidhartha with an umbrella over the halo round his head. The scuman on the right is probably his wife, whom he is about to desert in order to become an ascetic. The left lower sculpture represents, says General Cunningham, Prince Siddhartha and his wife Yasodara. They are seated on a throne in a palace. The Princess has a wreath in her left hand. Columns with Corinthian capitals support circular arches on each flank. Several figures are represented in an upper gallery. The other pieces of scripture in the right corner of the plate are part of a frieze, the upper part of which is a representation of tops callings. The lower part, divided into compartments by columns, represents the Nirvana of Buddha, and a fire altar, which may be his funeral pile.

Nove -Buddha fast been up to heaven to convert his monter. Mayo, and descended to earth at Sentions. (in the Etab District, North-Western Provinces). "In the studies is the head-draw of Buddin (the stamess Chula Mani) which was carried to heaven by the Devas and worshipped."











P. M. Total Print Day Sing.

If Thintrees, then May 1888.

PEAN'S ROLL.

(SHEET No. 21.)

Symbol Worship, Plate No. 3,

50. The sculpture is from the Lower Nuttu Monastery (see sheet No. 12). The subject does not occur often. General Canningham describes in thus t-

"A party of shaven-headed monks paying adoration to the Dharma-chakra, symbol of the wheel, which is surmounted by the Trisratus, or symbol of the 'Three Gems,' above which are three wheels or Dharma-chakras."

The attitude of the supporting figure with uplifted right hand is very like Atlas.

(SHEET No. 22.)

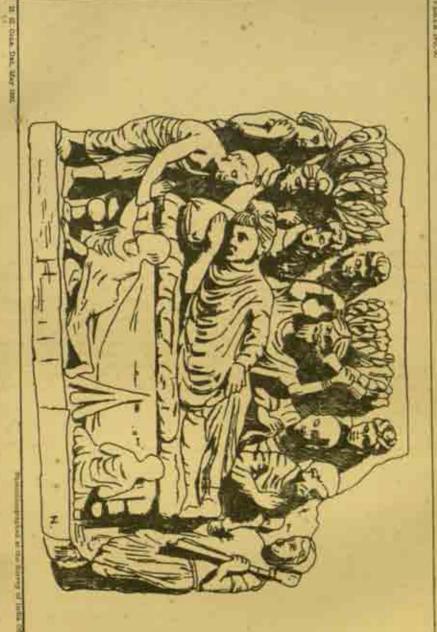
Denth of Buddha, Plate No. 5.

51. This is from the Lower Monastery at Nuttu (see sheet No. 12). Plate No. 5. Dentiled Studies, N.

General Commingham has been good enough to furnish me with the following descriptive note:—"Nirvana of Buddha in the middle. Behind Devadatta, with beard and staff—the shaven men at the fem are monke, Buddha's disciples. The men at the head are the chiefs of the Mallians. The prestrate figure hims raised by a monk is probably one of the disciples who fainted when he saw Buddha die." The bed on which Buddha is lying might be a modern charpoy, and the presence of a mattress and pillow show that civilization in the first contary A.D. was more advanced in India than it was in many Western countries at the same period.

A piece of scalpture in rather higher relief representing the same scene was found at the Upper North Monastery. It is between two pilasters with Corinthan capitals. Gime to Buddina's bed is a tripoil from which suspends what looks very like a modern sode-water bottle. but which was probably a parous vessel used for cooling the drinking-water of the mint in his

dying moments.



SHART No. 22.

(SHEET No. 23-)

Garland frieze, Plate No. 4.

53. Fragment of a circular frience from the Lower Natur Monastery (see plan 7, page 16).

Plan No. 4. Friend with gather. This piece of sculpture has reveral interesting points about it.

The style of ornament is distinctly Roman, or rather Graco-Roman. Swags or garfands decorate the entablature of the temple of Vesta at Tivol, which dates from about 70 B.C. In the present case the garfand has a Butchhistic signification. To this day garfands of cloth are carried in procession in Burma I toadorn Topes or elected trees. They are frequently represented in the Bharhut and Sanchi sculptures, and are seen depending from the sacred Bodhi Tree and placed round Topes.

Two of the favores have prime and placed round Topes.

Two of the figures have wings—one playing a guitar, the other seems to be striking a gong or small drain or tambourine. The two supporting figures are playing the drain and symbals.

General Countrighem thus describes this equipture :- "Figure copying along and infed eventh estimated by winged municipate. To floring I have seen these cylinders of figured, mustin districted by bodgs of buildoo from 60 at 200 foot long certified in procession just as represented in this southwest, and afterwards being -p upon bely term."

(SHEET No. 74.)

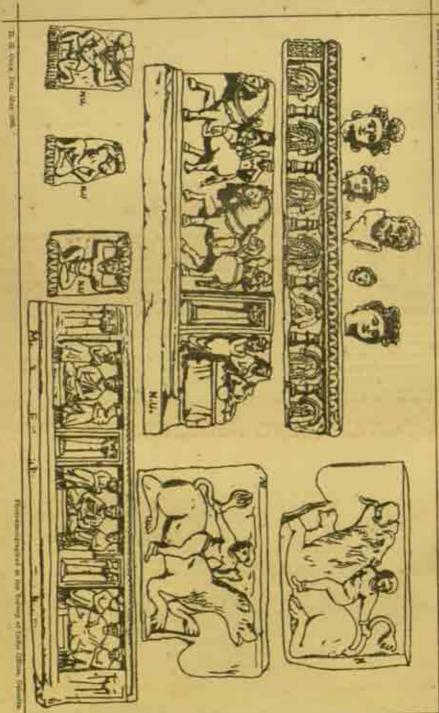
Selection from Plates 7, 12, 19, and 28.

53. The elephant scene, which forms the subject of plate 28, is from Mian Khan, and very Plates 7, 14, 70 and pl.
Elephant accus. M. Symbol
Woodslys. N. U. Prices of standing
figures. N. U. Scattel King. N. U.
Itani of Proce. S. much damaged. It represents an elephant enfuriated, at Devadatta's instigation, with drink, to make him charge Buddha; but instead of doing any harm, the animal does obcisance.

In the left-hand corner we have a representation of walls with battlements, and a doorway the jambs of which are sloped in a manner similar to the Etruscan doorways of the 5th and 4th

centuries B.C.

The three lower fragments are all from the Upper Monastery at Nuttu. On the right are monks addring the Dharma-chakra, Tir-ratna, and Tir-chakra symbols. In the centre is part of a frieze of standing figures in easy and graceful attitudes. On the left is a seated figure on a throne under a canopy, probably a person of rank. A small figure standing on a piller is fanning him with a leaf. In the upper right corner of the page is a highly ornamental head with a foliated halo. General Cunninghum thinks that it represents Prince Saldhartha before he left his home to become a mendicant. The Prince wears an elaborate turban with plume, a necklet and a necklace with two deer-headed clasps similar to those on the figures in plates to and 30, page 32.



PLATER N.W. MARK

WANT NO. BELLER

(SHEET No. 25.)

Selections from Plates 9, 29, 31, and 32.

54. The frieze of horses (plate 9) and the three supporting figures (plate 9) are from the upper Monastery at Nuttu. The remaining nine representations of horses. N. D. tions are from Mian Khan (see sheet No. 13). Haber 6, 20, 51 and 31, Fritze of horses. N. U. Supporting figures. N. U. Five heads, M. Friere with Pis-lars, M. Friese with Hundlan. 58, Two Semeane boys. M. The frieze of horses probably represents, in part, the pro-

ceasion of the four kings to present their bowls to Buddha.

On the right is a broken representation of a seated Buddha with a bowl in front of him, and two kings offering him two smaller ones. The horses have bridles and head stalls which were not in use by Indiana, and were probably introduced after Alexander's time.

The three sculptures of supporting figures or "Caryatides" show how very various were the attitudes given to these features.

Of the nine sculptures from Mun Khan, the five beads show considerable power of expression. The man's head (probably Devadatts s) is particularly good, and the female head on the right might be that of a Grecian statue. The friese below has a number of Indo-Persian

The two pieces of stone with boys and lions were probably terminals or ornamental portions

of a door.

The frieze in the lower right corner is thought by General Cunningham to be part of a Jataka or "Birth Story" of Buddha, but he has failed to recognise it.

(SHEET No. 26.)

Figures represented in Plates 10 and 30.

55. The figure on the right from the Upper Nuttu Monastery is in good condition. Generally and set and set and set are set and set and set are set and set and set are set and set are set and set are set and set are set and set are set and set are set and set are set and set are set and set are set and set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are set are

Khan, represents Prince Siddhartha before he became a mendicant.

The head-dress and jewelry in both are most elaborate and ornamental. The decr-clarus noted in plate, page 30,—probably a sign of royalty,—occur in both these figures, and resemble the fastenings of a skin round the shoulders of a statue at Sanchi. The annulets strong together over the right shoulder of the left figure are like those worn all over India at the present day. Lace or embroidery seems to have been known as shown in the drapery over the left leg of the standing figure.

56. With reference to the disposal of the sculptures, I am of opinion that all the important pieces should be retained for the Lahore Museum. These would include the whole of those represented in the outline drawings which accompany this report. They would also comprise many of the other 503 sculptures. I therefore propose to make a selection from these for Lahore, and to dispose of the

remainder among the various Indian Provincial Museums.

\$7. There is no doubt that a knowledge of the Gamiliana sculptures would be most interesttraced solutes as the beamer ing to the learned in Europe. General Canningham procured
a number of photographs, the negatives of which are in the
Calcutta Museum. I have a set of photographs and negatives of the Sanghas bos-relief, and
photographs could easily be procured of the best subjects in the Labore and Calcutta Museums
General Cunningham proposes to get out a joint book to comprise all the best specimens of the
"Buddhist sculptures of Gandhara," and I agree with him that it would be a very interesting
volume.

58. In conclusion, I have a word to say about the scriptures that have been deposited in the Lahore Museum. Some of them are labelled, some are not. Most of them are arranged with no sort of systems visitors have immificient means of ascertaining where they came from. There are also numerous displicates which confuse the eye, and take up the already overcrowded space.

So. A selection of all the best pieces should, I submit, be made and arranged so as to be Constraint of the scapeure. well seen, and placed in groups, so that it may be at once

apparent what came from each site.

60. A large map is necessary to illustrate the Eusofini country.

Map of Familia.

61. The more delicate carvings should be in suitable glass cases. At present a large number are placed in dark corners and cannot be properly inspected; but if the whole be reduced in dimensions to a collection of single representations of each class and subject, the numbers of somes would be greatly reduced, and the best use could be made of the available space. A very considerable position of the collection could be displayed in the entrance half of the Museum, where there is fair light and a large amount of wall surface, which is most suitable for bus-reliefs, originally designed for and applied to an upright position.

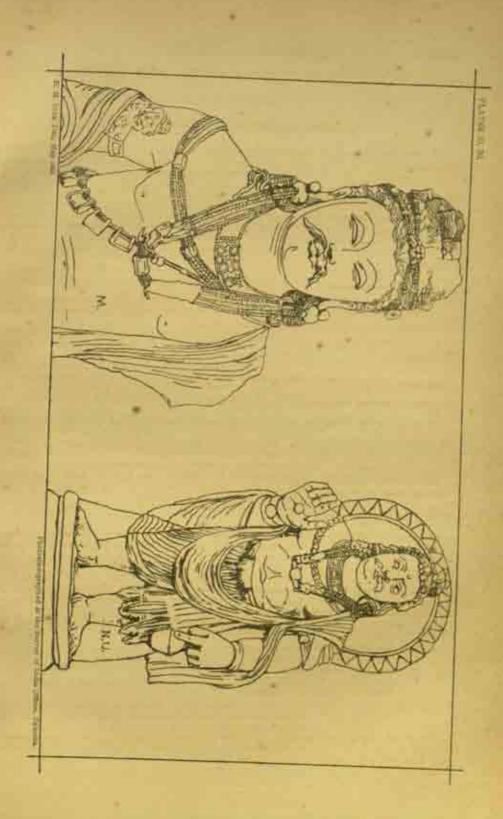
62. The duplicate specimens should, I submit, be sorted into collections for presentation to

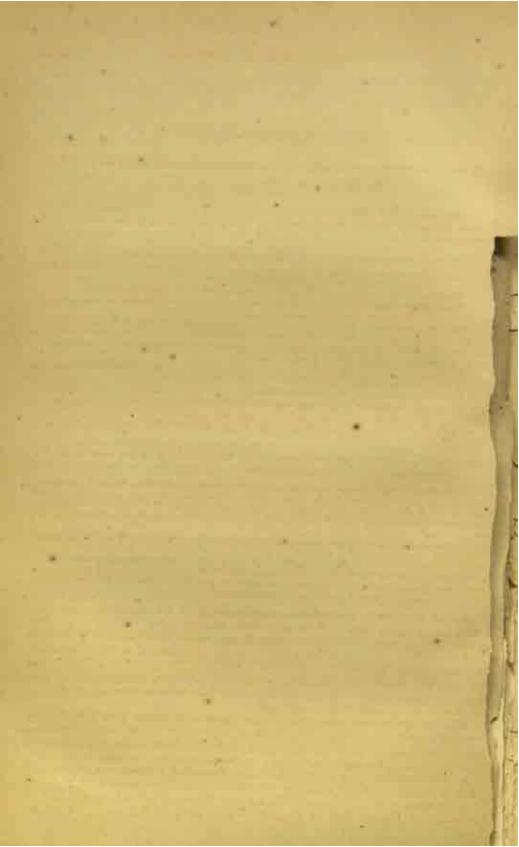
Disputed of displicate specimens the following institutions :-

The Imperial Museum, Calcutta. The Central Museum, Madras. The Museum at Bombay. The Museum at Jaipur. The Phayre Museum, Rangoon.

63. Casts of all the finest and most important subjects, whether at Labore or in Calcutta, should be made for the British and India Museum, or he any other institutions that desire to possess a set.

These casts could also be exchanged for representations or reproductions of line Oriental art works in the various European collections, and would in this way produce a more prafitable return than if simply charged for at cost price.





Appendix K.

Reports and correspondence, &c., concerning Ancient Monuments in the North-Western Provinces and Oudh,

1. In May 1882 I addressed the following letter to the Government of the Letter containing various North-Western Provinces and Oudh :recommendations.

"I have the honour to ask to see the specifications or plans for-

1.-Cleaning and framing the Somnath Gates, now in the Agra Fort. (I think these gates should remain where they are.

H .- Restoring the ceilings of the Dewan-i-Khas and Khas Mahal in the fort.

111 —Clearing and restoring the second pavilion of the Jahangir Mahal (now occupied by the Provest Sergeant) in the fort.

IV .- Clearing out the Birbal house, Alchar's office, Miciam's house, at Fatchpur-Silori.

V .- Prose vation of the painted interiors at Sikandra, VI.—Repairing the Fatishpur-ki-Masjid near the Taj. VII.—Repairs to the Buddlest Tope at Sarnath.

"All these works are of importance, and, if necessary, I would recommend the Government.

of India to contribute grants-in-aid.

"Some of the interiors at the Fatchpur-Sikri Mosque, and the Mosque and its Jawah at the Taj have been repainted, but nothing has been attempted in the way of preserving existing paintings, such as those at Sikandra and at Etmad-utf-Dowlah's Tomb. . Some of the freecoes are excellent, and I strongly recommend that Mr. Heath be authorised to make experiments in cleaning and preserving them."

2. I again addressed the Government in the following terms concerning the Sarnath tope :-Samath Tope,

"Referring to letter No. 396-C.B. and R. of 1882, from the Secretary to the Government, North-Western Provinces and Oudh, Public Works Department, stating that the Sarnath Tope might be left to decay, I have the honour to solicit the consideration of His Honour the Lieutenant-Governor to the importance of keeping this interesting and ancient Buddhist monument in a

"I have never advised or advocated any restoration of the tope, it being in my opinion merely necessary to secure the existing masonry at the base by rebuilding it recurrily and by using mortar or coment to prevent the percolation of rain or growth of destructive vegetation. Should the Government of the North-Western Provinces and Outh be unable to furnish the necessary funds, I would recommend the Supreme Government to give them. For this purpose, however, it is necessary for me to see a specification and estimate.

3. The question of procedure as regards work in the North-Western Pro-Procedure as mgards work vinces and Oudh having been considered by the in the North-Western Pro-Government, orders were issued on the gard June vinces and Oudh. 1882 giving me the position of a Superintending Engineer as far as concerns the North-Western Provinces and Outh, and directing the Executive Engineer, Archaeological Division, to submit all his projects and proposals to me before being finally dealt with by the Government of the North-Western Provinces and Oudh.

This ruling does not contemplate any connection on my part with the subsequent execution of the work which is supervised by the Superintending Engineers of the 1st and 2nd circles, but the Government invites my inspection. of works in progress, and directs the completion reports to be sent to me.

4 After personally conferring with the Executive Engineer, Archaelogical Soci of temple of Govind Division, on the subject, I recommended and forwarded his estimate for repairing the vaulted roof of the temple of Govind Deo at Bindrabun amounting to Rs 9,327. This was

sanctioned, and I inspected the work in progress on the 1st March last. (See

Inspection Note, page exliv.)

5. The Military Works Department wishing to utilise the space occupied by the courtyard of an old palace in the Agra Fort, called the "Dansa-ki-koti," referred to me to know Danua-ki-koti: Agra Fortif it was desirable that any portions of the building should be preserved, and on my representation, expressed their readiness (on the 1st November 1882) to keep in tact the ornamental frontage as indicated by me on a plan submitted to the Inspector General.

6. I examined and recommended the following projects estimated for by

Mr. Heath :-Projects.

Entrance Gate, Taj Serai.	Repairs to the entrance gate of the Taj Serai at	Ba
Sibandra Entrance Cate, Pinnacles at Sibandra,	Repairs to the Sikandra entrance gate at Agra. For replacing the gilt copper pinnacles on the kiosques of the Sikandra entrance gate at	795
Tynnacies at Steamarn,	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	1,700

These were sanctioned by the Local Government on the 4th December 1882. 7. Mr. Heath's revised estimate amounting to Rs. 16,576 for inlaying and completing the repairs to the Saman Burj in the Agra-Saman Buri, Agra Fort. Fort was recommended on the 6th November 1882.

A revised estimate for completing the repairs to the Khas Mahal in the Agra Fort had been prepared by Mr. Heath at my sugges-Rhua Mahul, Agra Fort. tion, and by providing invisible iron joists lined with marble instead of solid marble slabs for the ceiling, the revised estimate of Rs. 18,160 was less than the original estimate by Rs. 57,049. The above estimates received the sanction of the North-Western Provinces Government on the 4th of December 1882.

- 8. In November I had forwarded, recommended, an estimate amounting to Rs. 1,290 for repairing Raja Rattan Singh's building Rattan Singh's fmilding. Ages Fort. in the Agra Fort. This received sanction on the 30th March.
- 9. In January an estimate of Rs. 1,305, prepared at my recommendation, for preserving and glazing in the Somnath Gates Somnath Gates in the Agra Fort, was sent up to Government. This has not yet been sanctioned.
- to. During February I was engaged with Mr. Heath in inspecting buildings at Agra, Muttra, Bindrabun, Aligarh, Budaon, and Toor in February. Jaumpur, and addressed the following letter, with inspection notes, to the Government, North-Western Provinces and Oudh :-

"I have the honour to forward so copies of my notes on the inspection of buildings at Agra-

"I have the honour to forward to copies of my notes on the dispection of halding at Agra Sikandra, Fatchpur-Sikri, Muttra, Bindrahun, Aligarh, Budaon and Jampur, and hope that the various recommendations may receive favourable consideration.

"With reference to your No. 1137 B. R., dated the 17th March last, informing me that the estimate for cleaning and framing the Sommath Gates has not been macroned, I bug to exist our that these gates have both historical and arrishs interest, and should be presented and protected from dirt and dust. There can be no doubt of the purely Muhammada and protected from dirt and that they never in their present shape adserted the temple of Sommada in may be that Mahmmud of Ghami used the wealer frame taken from Sommada and received at It may be that Mahmud of Gharni used the wooden frame taken from Somnath and recurred a in accordance with the artistic traditions of his age, but of this there is no proof. The gates are, however, valuable as works of Muhammadan art of an early period and cost us no doubt a large sum to remove from Ghazni. A similar sase is met with in the Chittore Gates which

Akbar brought from Chittore and placed in the Machi Bawan, Agra Fort. Any evidence of Hindu art that might have existed in them has carrainly been obliterated, and the wooden surface is now covered with stamped or reposse plates of brass outlined in Muhammadan ornament. The estimate drawn up at my suggestion for the Ghazni gates is not very couly, and I hope therefore that Sir Alfred Lyall will sanction it.

The Lieutenam-Governor has on two occasions assured me that measures should be taken to preserve the Buddhist Tope at Somnath mar Benares, but I have as yet received no official

intunation of anything having been either sanctioned or communced."

NOTE OF BUILDINGS IN THE FORT AT AGRA.

During my visit to-day to the Palace buildings in the Agra Fort, I was accompanied by Military improvements with least Lieutenant Shone, R.E., Executive Engineer, Agm Division, Military Works, who is carrying out many alterations demanded by the military requirements of the place. Some of these must necessarily interfere with the appearance of the Port walls and interior apartments. The reconstruction and improvement of batteries, the improvement of communications and the treatment of Paloce buildings, in charge of the Military Works Branch, may, however, be so considered as to do the limit damage to the architectural appearance of the various structures.

(2.) In introducing new embrasures, it is, I submit, possible to preserve the outline of the our continue to be retained as old wall to a very great extent. The outline given to the old parapet may still be kept apparent on the surface of arm masource work, whilst ramps and banquettes may be so constructed as to cover up decorated mir-

(3.) The continued occupation of the second pavilion on the roof of the Jahangiri Mahal by the Provest Sergeant is most damaging to the building. When it is desired, and I understand that separate and suitable quarters can be provided elsewhere,—the whole symmetry of the river facade can be restored. The interior of the Palace Court could also be much improved by renewing falles chujjas and by restoring those portions of the buildings which have falles in.

(4.) Large muss of money have been expended on the concention of the fort buildings. Damage to measure by clanese. But I regret to learn that chanage continues to the mosaic work, from which stones are parked out wantonly. To obviate this, a suries of gateways or doors should be placed so as to enclose the buildings of interest. There muss be a chawkidar to keep the keys, and to admit authorized visitors. By some such means

alone will it be possible to render wanten muchief impossible

(5) The exterior in ade of the Ummer Singh Gate is damaged in places by weather, The tile work in the hand shove the archivay is also decay-Character Stringly Course. and required, and the broken edges of the remains of the tile work, edged with cement, to prevent forther poeling away.

NOTE ON ARBER'S TOME OF STRANDER.

I visited Sikindra on the 17th February with Mr. Heath in order to see the gateway to the west of the enclosure, which is under repair, and to meet Officer of your Ismail Khan, painter, of Delhi, about the resturation of the finely-coloured walls and dome of the chamber in front of the passage leading down to the actual temb of the Emperor Akhar-

2. The west gateway has gradually assumed its original appearance, and is a fine example Wes Gateson of the architecture of Jahangie's day, being well proportioned, and the decoration applied with judgment. The painted dame of the great arch has been retouched and brightened up by Mr. Supervisor Learmonth, the effect being excellent. The preservation of the quaint designs which cover the variables of the walls and domed ceiling is not only desirable, for the sake of the structure and its appearance, but also in the interests of Indian art generally.

y. The walls of the porch of the turns huiltfury are covered with splendid patterns of gilded and painted work. Smoke and damp have in parts completely oblinerated them, but enough remains to permit of Parish water of the Treat Pouls. reservation. I had hoped that a process of cleaning off the dire and stains might have successfully revealed the paintings beneath; but this seems impossible, as the planter is greatly damaged, and ready to peel away. Tomail Khan is, therefore, to completely restore a small section of the wall surface as an experiment a and if successful the whole of the chamber should be treated in a similar way.

NOTE ON BUILDINGS AT FATHEFUR-SIKEL NEAR AGRA-

The Agra road approaches the confines of Fatebpur-Sikri from the east and enters them at a gateway, which has received a few necessary remains. Buildings aimg the opper approach Passing along the upper road, rained beans of stone lie scattered north and south. This used to be a favourite quarry for the grindstone trade, but the work has been stopped. Before reaching the Nobatkhana, a small rectangular payilion is wisible to the right or north. It is of red sandstone, has a verandah, and is worth repair. Mr. Heath is preparing the necessary estimate for the work. (Mr. Heath's estimate is for Rs. 8,811, which seems to me a very large sum for doing what is needful to prolong the existmore of the building.)

(a) The Nobalkhana, which was a mined heap of debris at my last visit in July 1881, has been repaired and cleaned up, and now presents a good appearance. The simple but effective outlines of the four gate-

way buildings have been restored and brought into view.

(3.) The old mint buildings to the worth of the road beyond the Nobatkhana are greatly ruised, and should be cleared of debris, and any dangerous Mus beilings.

walls or domes propped and strengthened.

(4) The Diwan-i-am is still much ruined, but its central payilion has been renovated, and not feet of the flanking colonnade, north and south, have been travored. In the pavilion itself are a number of paintings, which have become somewhat indiating. They should be renewed where necessary, so as to preserve the patterns and couplisaire the faded outlines. This remark applies to all painted works at Falehpur-Sikri in which the painted outlines are still sufficiently distinct.

(5.) Entering the procincts of the private apartment from the Disant-am, the Disant-set-Kins and administrate. Khas it seen in a repaired state, but to be complete should Discred-Klies and adjanced buildhave the whole of the trellised openings made good. The Ankmichauli and the Jogi's baitak close by are also repaired, and complete, save the pointed work in the latter. 'The Panch Mahal, Akbar's Khwanghar, and the Turkish queen's house have yet to be taken in hand, but Akhar's duharkhana has been repaired, although still the public bangalow and therefore firred with doors and windows of incongruous design. Mirram's house, which is undergoing repair, is also fitted up as a place A soluble Resident for stations for travellers, and the Birbal house is furnished for district offivary Sestiminis.

cials. The use of these three munifored buildings for dwellings prevents any one realising what they were like in the days of Akbar. The windows and doors render the buildings dark, and spall interior effects and most decidedly mur the externa architecture. Khitmatgars' cocks and hims and litter go to make up the incongruous and his even picturesque surroundings.

(6) The Paiace of Albar's Raiput Queen, the Jodh Bair, is wonderfully improved by repairs, which are still in progress. Some of the old masonry Join Sale Paine.

piers, which were built years ago to prop broken beams, might, bourver, he now removed and the beams strengthened and the upper terraces supported by iron joines let into the old stone work. The brilliam blue ille-most are much discoloured by weather; the broken edges should be secured, and the broken parts made good by cemen. Joelle Bule Valuete, There is not much coloured work in the palace, but what there is should be emphasized where faded. The repairing of the paraper is particularly required to complete the design, and break the missource of the present long horizontal lines of the single-stated colourades. The effect of the interior court is somewhat marred by trens, which I think should be removed. Their roots also damage the masonry of the terrace.

The exterior lagade of the palace towards the east, i.s., near Miriam's house and the deftarthans or dak bangalow, has some flanking buildings, which are in themselves of slight architectural importance, and are certainly so part of the palme design. They probably were built for enoughs, and their removal would reveal the façade and be a considerable improvement.

(7) The cumbrous masonry props used in the stables, south of the Birbal Palace, might with advantage be removed, and the roofs otherwise strongth-Stables ened from above

(8.) The Birbal bouse requires taking in hand, and repair-Sichal Palace. ing, as soon as it is freed of its dak bungalow fittings and furniture

IMr. Heath has estimated for repairing the foundations of the building at a cost of Rs. 4,500. A sum of Rs. 5,000 has meanwhile been allosted for protecuting the work.)

The various structures, north and north-west of the Birbai Pálnor, are repaired, in course

of repair, or under consideration

(9.) The Hathi Pol Gate is done, but the colonnade to the east which formed a part of the autor-lifting arrangements, connected with the adjacent well, wants attention; a portion of the colonnade is very ruined, and must either he removed or else taken down, and society rebuilt.

I have since recommended an estimate for repairing this amounting to Rs. 3,400.]

(10.) The Kashmiri Sarai, which has become rulned and surrounded with debris, is being put in order, and the Hiran Minar near it is also being renovated.

(11.) The actual structures of the great mosque and its colomnade have been repaired.

The painted decoration of the archway, which occupies the centre of the musque itself, has been most successfully renewed by Mr. Supervisor Learmonth under Mr. Heath, and is in my opinion a creditable piece of work. A good deal more of the painted work in the musque may, with advantage, he picked our retracted and so brought to light.

I have asked Mr. Heath to make an experimental renewal of the mesale of tile in the sandstone borders which adorn some of the exterior and interior archways of the buildings.

(t2.) There are several buildings of interest near the Great Mosque, and further west in the extremity of the Fatehpur-Sikri precincts, which merit preservation. They are little known at present. The Haraoti-lia-Raja Pavilion at the extreme north-west corner of the walled enclosure is a complemently good example of an octagonal court and central pavilion. And nearer the mosque is the house of Nawab Islam Khan, a much-ruined court and buildings, but singularly well enriched with good columns in red sandstone.

(13.) I hope that all buildings will be photographed before, as well as after, they are reno-

Plantagraphic recents of repairs. visited or preserved.

(14.) The systematic out-rooting of weeds from roofs, domes, and terraces should, I sulmit,
Systematic erroring of sugars, be arranged for between Mr. Heath and the Collector. The,
best way will be to make a complete clearance after each rains.

NOTE ON BUILDINGS AT MUTTER AND BINDRASUN.

(a) I visited the Jama Masjid in the city of Muttra on the rat March with Mr. Heath,
Jama Masjid at Status.

Executive Engineer, Archaeological Division. It was built in
the reign of Aurangath, A.D. 1000-01, and is taked on a
terrane 14 feet above the street; and at the corners are four minareta over 30 feet high. The
whole building was once righly adorned with encausin tiles of the mosaic class, similar to those
in the mosque of Wanr Khan is Labors. Coloured detail drawings of the mask of tile that
remain would be valuable and abould be obtained. The existing tile-work should be preserved
by edging with coment. The time may come when it can be restored, but the art of producing
this particular class of tile-work is dormant in India.

(z.) Leaving Muttra we went on in Bindrabus to the Temple of Govind Dec, which I had not seen since 1868. Since that time it has been rentored firmly by the Magistrate of Muttra, and listerly by Mr. Heath. The towers of the building were overthrown by Aurangaib and have been renewed, but the exterior walls have been renovated up to where the towers consequently the effect being a tem and universely also like the property of the street of the sense of the street of the sense of the street of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the sense of the

menced, the effect being a trim and unbroken sky-line. I am not sure that the restoration of the uppermost parapet is correct, and think that it would have been better to leave the superstructure, as it appeared when I first saw it, with all the evidences of Aurangaile's destructive hand.

Now the building looks as if stopped for want of funds, and, as Mr. Ferguson expressed it to me, "with all the poetry washed out of it." Putting this impression uside, a large amount of good work has been done, and the architectural treatment of the lower part of the building has been faithfully reproduced. Repairs are in progress to the stone liming of the wagon-vanited cost of the porch, the carved errechments of which are very deficate and beautiful. As far as I know, thurs is only one drawing showing the Temple before Aurangaio commenced to overturn it, which may be seen on the walls of a small apartment in the Palace at Amber near Juliur, but the native artist's work is so sketchy and maccurate that very little evidence is afforded of the outlines of the sidear or towers that crowned the Temple.

There are two sikvas flanking the sanctuary which possess curious besagonal chambers

and are raised several feet above the main floor of the Temple.

The Gossins or Pujaris of the place wish to have an iron gateway placed at the present entrance, in order to secure a proper custody of the Temple and prevent damage. I think this should be allowed, provided the public have free admittance, and the gate is not a means of exterting largers. The State is to a certain extent interested in the Temple, upon which larger

sums have been spent, and the restorations and repairs are in the interests of archaelogy and

NOTE ON THE CONDITION OF ARCHITECTURAL MONUMENTS AT ALIGARE, BUDAON, AND JAUNPUR, IN THE NORTH-WESTERN PROVINCES.

(1.) The Jama Masjid at Aligarh is a building of some importance and was built by Sabit Japon Manjid at Aligarh. Khan in 1728 A.D. Architecturally it is an adaptation of Aurangaib's style, having bulbous domes with lofty finials and arches with flat cuspings.

(2.) The Muhammadans of the city are repairing the edifice, but the whole character of the design is being altered by the native "Ustad" or architect. The surface of the great range of arches is being plastered over, panelled out and decorated in a style which completely

obliterates the outline and form of the original façade.

(3.) The donies surmounting the sanctuary of the mosque are outlined with tiles in hands of durk blue, yellow and green; the parapet has a toliated crenellation also outlined with tile bands, but how far the new repairs will preserve or obliterate these features. I do not know. The puraper was being repaired in plaster without any tile decoration when Mr. Heath and I inspected the building on the and Pebruary last, and the domes will not improbably share a similar fate unless better coursels prevail and the old lines of the structure are more faithfully

(4.) Although the mosque does not stand in the first rank as a national work, I think that Government might with great propriety rake up the matter and secure a more fitting restoration

(5.) The interior has been re-done in chanam and looks good and fresh, but the painted circles of the ceilings of the domes are renewed in the barsh and crude colours which find their way from England into Indian buzars. The mosque is substantially built of large blocks of kunkar, and appears to be structurally secure,

(6.) Mr. Heath and I visited the mosque at Budson on the 3rd of February last. This most interesting building was erected in A.D. 1223 by Shams-Jama Mangel at Bullets. ud-din Altamah out of the plunder of Hinda temples, and bears a similarity to the mosque at the Kutub and at Ajmir. Although far plainer as far as decora-tion goes, it has a quantity of curved brick-work which appears to have been partially if not

(7.) The brick exnamentation is specially interesting, as it is capable of adaptation to modern Indian buildings in localities where brick is the only available material, and its study will well repay the architects of our railway stations and civil buildings. The statement of the mosque is kept in some kind of repair, but as usual there is a great deal of nonecessary plaster and whitewash, which obscures the old masonry. The quadrangle in front of this is enclosed by arcades which are very much ruined and overgrown. Some of the arches might be repaired, and it is certainly necessary to provide for the security of the handsome gateway to the cast. All whitewash should be removed from carved tiles or brick as well as from walls, and details should be obtained of all the ornamental work.

(8.) The Muhammadans of Budzon might contribute to the cost of the work, but I think shis is a building of imperial interest, and its repair should, if necessary, be secured by Govern-

(a) The Ideah of Budaon is a structure of some interest, having been built in A.D. 1200 by Shams-ad-din Attamsh, and has a quantity of ornamental brick-work which is worth illustration, but the planter covering

should be removed to permit of drawings being made.
(10.) The building known as the tomb of Chimm Khan is to the south of the town and highly decorated with brick-work. General Cummigham thinks Total of Chinese Kinns at House, it probably not older than the time of the Sikander Lodis and says: "The dome is unfortunately very low, otherwise this tomb would be a very fine and strik-

(11.) Details of this building sheald be obtained as well as of the tomb to the west of the Magistrata's Court-

(12.) On the 5th March I winted the Jama Manied at Jampur, the repairs to which are being carried on by the Muhammadan community of the town. me that the work was not being well done. The south gate of the quadrangle has had its apper part renewed, the substructure having been left insecure. The halls flanking the sanc-James Marriel at Jamesport. tuary of the mesque have after repairs been whitemarked and the pointing of the masonry is in

other parts unnecessarily beavy and unsightly. I think that this building should be made over to the Archaeological Division of the North-Western Provinces.

11. On the 17th April, I recommended Mr. Heath's estimate for repairing the courtyard of the Nagina Masjid amounting to Nagma Masjid, Agra Fort. Rs. 3,708. On the same day I recommended a revised estimate for completing the repairs to the Dewan-i-Khas in the Agra Fort. Mr. Heath's Dewns-Khan Ages Fort. original estimate was for Rs. 85,424, and provided a marble roof put up in the old Mogul style of long and massive marble slabs. On my suggestion and as in the case of the Khas Mahal, he provided for roofing by iron joists, with thin marble slabs resting on the lower flanges, and thus reduced the estimate to Rs. 27,761, being a saving of Rs. 57,663. Both of the above estimates have since been sanctioned.

12 Since August 1881, I have urged the complete repair of the Jahangir Inhangir Palace roof-pavi-Palace in the Agra Fort. One of the roof-pavilions is occupied by the Provost Surgeant, and I am glad to say that after some correspondence with the Government of the North-Western Provinces and Oodh, and with the Inspector-General of Military Works, it has been decided to build suitable quarters for the Sergeant, and so free the Pavilion, which is a very handsomely carved red sandstone building.

13. The Sarnath Tope near Benares, properly the "Dhamek Stupa," was explored by General Cunningham in 1835, and the Sarnath Tope, Government of the North-Western Provinces and Oudh has sanctioned an estimate amounting to Rs. 7,784, in reference to which made the following suggestions:-

"I have the honour to return the estimate for the preservation of the Buddisht Tope at Sasnath,

"General Cunningham, when Assistant Engineer at Renarcs in 1815, made some rough drawings of his excavations. These he has lent me, and the tracing shows where the structure was examined. A well was sunk in the course from top to bottom penetrating below the ground-line and foundations. A gallery was driven under the foundations from W. S. W. to E. N. E. A gallery was driven through the Tope above the top of the atone basement from N. to S. A circular gallery was made just above the stone basement.

"The core of the stone masonry is very solid, being of large blocks of dry rubble, bonded

with iron cramps and vertical Joggles.

"Mr. Heath's estimate appears to have been arrived at by rather rough calculations, and no object would be gained by introducing any new dressed more masoury. It is simply necessary to get the old work, where bulged or displaced, back more its former place, and to supply breaches with rough masoury which may be of small more about 18 inches long and 6 inches square, provided they are last in morear.

"I would respectfully suggest that it would be better to do the work by daily labour, for some part at least of the repairs, in order that a rate may be arrived at its completing the whole. In such a way and with careful superintendence I think the work would be done well and at a moderate cont.

"The galleries made in 1835 might, I submit, to be filled in, and old bricks found on the spot, particularly in the adjacent dismuntled tower, may serve the purpose."

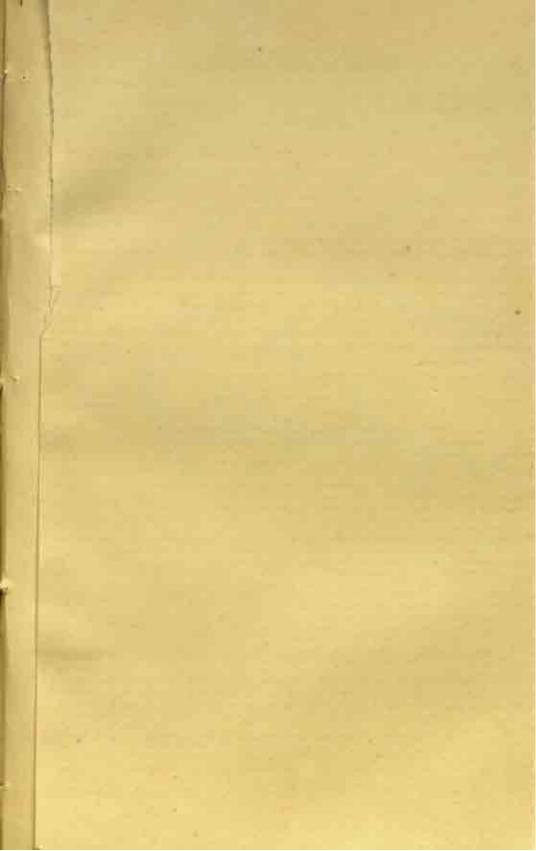
14. Colonel Innes, V.C., R.E., Inspector-General of Military Works, has decided, after some correspondence, to remove the Akbar's Palace, Allahahad. whitewash from the highly carved sandstone pillars and walls of Akbar's Palace at Allahabad, now in use as an arsenal store,

Appendix L.

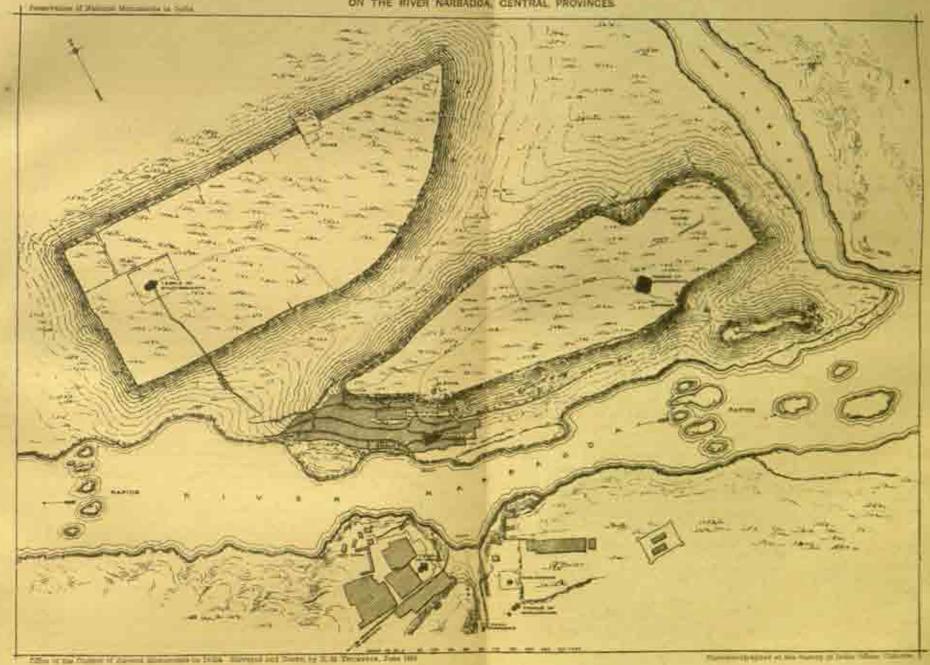
Reports and correspondence, &c., concerning Ancient Monuments in the Central Provinces.

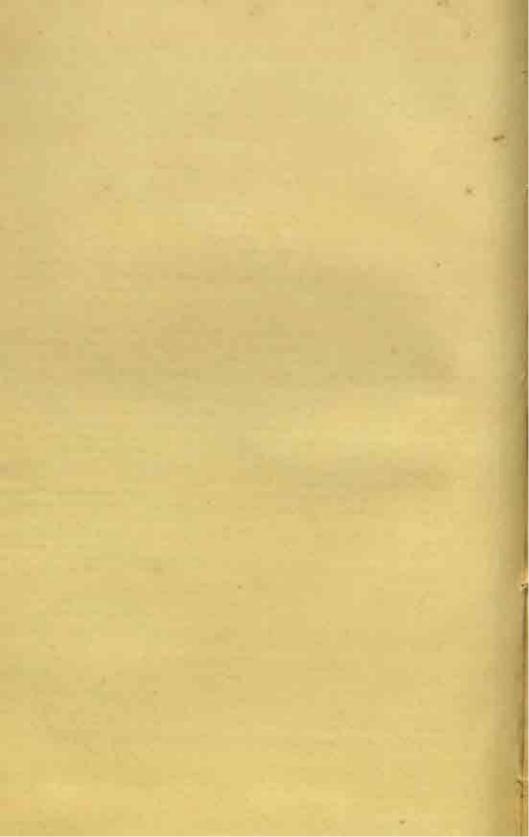
to visit is the celebrated island, between two branches of the River Narbadda, called Mandhatta. It is easily accessible from Mortakka, a station on the banks of the Narbadda on the Raiputana-Malwa Railway between Khandwa and Mhow. There is a fair road-track from the Mortakka station (where exists an inspection bungalow), the distance being 7 miles. The return journey can be performed by boat down the river. Mandhatta was at one time prophesied to supersede Allahabad in sanctity. On the island, in the shrine of Omkar, and on the south bank in a temple, are two of the twelve great Linguis, which are said to have been in India when Mahmud of Ghazni in A.D. 1024 carried off to Ghazni the gates from Somnath (another of the twelve Lingam shrines). The following is quoted from Grant's Gazetteer of the Central Provinces:—

"The old temples about Mandhatta have all suffered greatly from the bigotry of the Muhammadans who ruled the country from about A.D. 1200. Every old done is everthrown, and on a single figure of a god or animal is to be fraind unmutilized. The fanaric Als-ud-din passed through this country in A.D. 1295 on his return from his Decean raid, and as he took Asingarh, which is one for off, it is improbable that he would have passed over so tempting an idial preserve as Mandhatta. Doubtless the work commenced by him was continued by the Gheri princes of Malwa, and completed by that archiconoxidat Aurangreh. Yet much remains among the rains which must be highly interesting to the archicologist. Both the hills are covered with remnants of habitations built in stone without certeent. The walls of the different form the old the control of the ideal of the different form the old of the control of the ideal of the ideal of the covered with remnants of habitations built in stone without certeent. covered with remnants of habilitions built in stone without cent int. The walls of the dimerent ferts, two of which embose the two sections of the island itself, and two more the rocky entitioness on the southern banks, display some excellent specimens of the old style of Husiau architecture. They are turned of very large blocks of stone without coment. The stone is partly the hasalt of the hill stielf, and partly a coarse yellow sandstone, which must have been brought from a considerable distance. The gateways are formed with backsmital arches, and or namented with much line carving, statics of gods, &c. The best are those on the insert end of the island, or Mandhatta proper, which also appears to be the only pure that has ever received any island, or Mandhatta proper, which also appears to be the only pure that has ever received any repairs. It is easy to distinguish these from the old works, some being even as recent as the repairs. It is many to distinguish these from the old works, some being even as recent as the Mahammadan period, as at the Bhimarjani gate (opposite the Birkhada rocks) where there is a distinct pointed archway had in mariar. The oldest Saivine temple in the place is probably that on the Birkhala rocks, at the extreme eastern point of the sland. It commiss of a surt of closed countyand with a frunt verandah, through which apparently was a passage to the steme, which has now completely disappeared. It is totally different in plan from any of the other temples, which consist of the ordinary shrine and porch. The stones are of great size, the twindah and coloniades of the contrared being supported on massive pillars very plantly carved in rectilinest figures. On the Manshatta hill are the remains of what must have been, if the contrared had completion, a remarkably fine Saivine temple now culled Suidbeauage. if it ever approached completion, it remarkably fine Salvito temple now called Suidbeswar. Mahadesa. The dome which coverest the shrine is, bowever, completely gone, and has been recently replaced by a mean stat root, not so high as the remaining pitture of the porches. In recently replaced by a mean full root, not so high as the remaining pillurs of the porches. In its fall it has also overthroot and covered many of the pillurs of the porches, and much of the flire sork of the phinth. It appears to have been a square string of ahout 25 feet outside measurement, such projections added at the four sides, each about 5 feet in depth. In each of these was a doorway, and in front of each doorway a porch (Sabbia Mandap) resting on nourteen pillurs. These pillurs are 14 feet high to the architence, each porch being thus a perfect cube. They are elaborately curved in squares, polygons, and circles, and most of them have a curious frieze or fillet of Satys-like figures about half way up. They are about 3 feet square at the fort, and do not taper very much. They are all crowned with bracket capitals, on which rest the architraves, each bracket being curved into a grocesque squarement in the corresponded with the porches, it now to say what the adytum or thrine was like; but if it corresponded with the porches, it



GENERAL PLAN
SHEWING THE POSITION OF THE PRINCIPAL TEMPLES AT MANDHATTA
ON THE HIVER NARRADDA, GENTRAL PROVINCES.





must have been a most imposing structure. The most remarkable feature of the building, however, is the plinth or platform on which it is built; this projects to or 12 feet beyond the peaches, in front of each of which it is broken into a flight of 10 steps. It is caused about 10 feet off the ground, and appears to have been faced all round with a friene of elephants, carved in almost complete celler on stone stales. The chaptants are between a and 3 feet in beight, and are executed with singular correctness and excellence of attitude. The material is selless undatone, and thuy are consequently now a good deal weather-worn. In some cases there are two on a single stab in an attitude of combat, but more generally a single onto, resting one foot on a small prostrate human figure. This frieze does not appear to have been completed, as close by, within an exclosure of which two sides are still standing, are a number of detached dabs with elephants curved on them, exactly like those on the plinth. All these, and must in the temple also, have been saidly mutilated,—the truple, ears, and figure of the rider boing generally broken off. The Raja of Mandhatta has also removed a number to build into his new palace, after getting a muson to chisel them down to a manageable size."

I have had a survey made of the eastern portion of the island, also a plan,
Survey of island and Siddless section, and details of the Siddlesswar Temple deswar Temple scribed above. The plans, &c., are being zincographed, and when printed will be submitted to the Chief Commissioner of the
Central Provinces, with notes and recommendations for preserving what is left
of this remarkable structure.

2. The Mandhatta island is covered with ruins and several fine Hindu galeways, all of which are worthy of being preserved, so far as the simplest and least costly remedies will permit; but the Siddheswar Temple is so remarkable that it merits special attention.

3. As my draftsmen were at work on the island, I thought it as well to take

Plane, in at Combar Temple, the opportunity of securing plans, sections, &c., of
Gauri Sommath, Vishen, and the Temple of Omkar, which stands in the town of
Mandeshwar.

Mandhatta itself, and which is a handsome example
of early Hindu art; and of the Gauri Somnath Temple, which is on the hill to
the west of the island. Simple plans were also made of the temples to Vishnu
and Mamleshwar on the south bank of the river.

4. The Deputy Commissioner of Jubbulpore sent me on the 16th June last

Maden Mahal at Garha mar an estimate amounting to Rs. 71 for some repairs to
Jubbulpore. the Madan Mahal at Garha near Jubbulpore. The
palace is said to date from A.D. 1100. I have stated in reply that I hope to
visit Garha this tour season.

Appendix M.

Provinces and Native Territories not yet visited.

I. Oudh.

2. British Burma. (See list, page

3. Assam. (See list, page xliii.)

4 Berar (See list, page xl.)

5. Maisur. (See list, page xl.)

6. Travancore,

Kach and Kattywar.
 Nipal. (See list, page xliii.)

Appendix N.

Reports and correspondence, &c., concerning Ancient Monuments in Haiderahad, Deccan.

r. Since the report of last year was written (see page cexili of the Annual Report for 1881-82), I have been unable to visit Numerous monuments reany fresh places in Haiderabad, but the vast tracts quiring attention. of country under the dominion of the Nizam are known to contain many monuments of great interest and beauty well worth the attention of His Highness.

2. The following correspondence with the Resident at Haiderabad shows what is in progress and what is contemplated or Work at Kalburgala. recommended as far as Kalburgah is concerned,letter No. 818 of the 30th May 1883, from the Resident to the Curator;-

"With reference to your letter No. 413 dated 12th September 1882, offering certain suggestions relative to the repair and preservation of the ancient buildings at Guitnergah, I am directed to forward for your information a translation in English of a report by the late Sade which it will be seen that the vegetation in and around the dones has been removed, that the tolumn in the Great Mosque which had fallen has been rebuilt, and that steps are being taken

to repair the Mosque and make use of it as a place of worship.

* You will observe that amongst other proposals made in the enclosed report, the whitewashing and painting of the domes has once more been recommended. As, however, this is a barbarous proposal and has been strongly deprecated by you, the Residem intends again addressing His Highness the Nizam's Government in the matter, but before doing so Mr. Cor-

dery would be glad to receive any further remarks you may have to offer,"

Purpost of the Sade Talukdar's Report.

"States, with reference to Captain Cole's report, that is both the large as well as the small ruras (domes) of Khajis Bundeli Nawaz, the paintings and ornamental sculpture on the walls, which have been obligated she discussed used annually, should be revived, the walls should then be whitestashed and the decerations painted eather black or any other colour. The Sajjuidalis (relatives of the saint who are in charge of the shrine) should be written to officially and directed to interest themselves in the work and defray its cost. The work should be done

by the municipality."
"Seven of the domes which belong to the Bahmani kings were whitewashed outside and partly maide when His Highmen the Nigam visited Gulburgah some time after Captain Cole's partly inside wound the work was not done completely owing to the want of time. A few of these are certainly very eligant in appearance outside and inside, and they might be repaired and improved in the same manner as the large and small rosas of Bundels Nawar, so that the

ornamental sculpture in their may appear to advantage. The cost of this work should be borne by the municipality, and orders should be issued in the matter through the sillah kamberrie. All the dumes, including the above seven, have been whitesashed, and she vegetation around them cleared away, but they should be whitewasked completely inside also; the cost might easily be defrayed by the numericality.

"The Great Mosque which is in the Fort should also be repaired in the above manuer.

There is not another edifice in the whole of India like it in structure; and if it be allowed to full into ruins, it will be a matter for general regret, and reflect discredit on the Nizam's Govern-

"The road referred to by Captain Cole which leads into the Fort is now being used, and the place is increasing in its population. One of the columns in the mosque which had fallen was repaired last year, and there is no fear now of the building funtiling down.

"A sum of Rs. 43,000 was entered in the present year's findget, when I was the Sadr Talukdar of the district, but I am not aware if this grant has been sanctioned or not.

"I take this opportunity of mentioning that when I was the Sadr Talukdar I suggested that the raised portion of the mosque he set apart for worthingers, and the remaining portion be used as a school, but after consideration this suggestion was not adopted, as a new schoolroom is under construction, and there is now no department which requires to be accommodated in the Fier. The use of this building for any other purpose will be greatly objected to by all the Muhammadans of the place. It is therefore very desirable that the mosque be completely repaired both inside and outside and used for the purpose for which it was built. If repaired properly, the screen suggested by Captain Cole (a plan of which has been received) would not be required.

"An estimate of the cost of repairing all the ancient buildings at Kalburgah should be called for from the district, and sanctioned by the Government. The work should be commenced with, in anticipation of sanction of the budget grant of Rs. 45,000, as the rainy season

is fast approaching."

Letter No. 110 of 1th June 1883 to the Resident, Hardcrabad, from the Curator of Ancient

"I have the honour to acknowledge the receipt of your letter No. 818 of 1883-84, dated the 30th May 1883, enclosing an English translation of a report on uncleat buildings at Kalburgah. "In reply I can only resterate what I have said in my report of the 25th June 1881, and letter No. 413, dated 12th September 1882. All whitewash should be removed from the build-

ings, and stone mesonry should be left clears.
"It is, I think, most satisfactory to learn that the proposal to utilise the Great Mosque for any secular purposes is likely to be abandoned; also that repairs to this and other ancient structures at Kalburgah are contemplated.

"I would suggest that before any definite action is taken, the specifications to be followed for work in the several buildings be sent to me for perusal and observation."

To this the Resident replied on the 12th July 1883 that orders have been issued by the Nizam's Government to furnish the specifications of work at Kalburgah for transmission to me.

Appendix O.

List of some ancient and modern Forts and Citadels in India.

(Revised.)

Punjab.

1. ATTOCK-Muhammadan. Akhar, 1583. z. Ballabgarn-Delhi-Muhammadan.

3. CHARSUDDAH-Peshawar-Old Pathan Fort called Balla Hissar, built on the site of Pushkalavati, the ancient capital of Gandhara.

4. DELHI (OLD FORT)-Lälkot, 1052-Hindu. Kila Rai Pithora, 1180 A.D.-Hindu. Siri or Kila-Alai, 1304-Muhammadan, 6. Tughlakabad, 1321-Muhammadan.

Adilabad-Muhammadan, 1325. o. DELHI (MODERN) -- Muhammadan.

to. DEPARPUR-Montgomery-Early Muhammadan; in ruins.

12. ISLAMGARH-Bahawaipur State-Hindu.

13. Jahazgarh-Rohtak-Built by George Thomas.

14. JASTAK-Sirmur State-Hindu.

15. JAMRUD-Peshawar-Muhammadan. Occupied by the British.

16. KOT KANGRA-Early Hindu.

17. KUMLAGARH-Mandi State-Hindu. 1,500 feet above the Beas River. t8, MALAUN-Hinda State-Gurkha. 2,000 feet above the Rivers Gamrara and Gambhar.

to, Mallor-Salt Range-Old Hindu. Contains a temple in the Kashmir style of architecture. Circuit of fort 8,000 feet.

10. MASTGARH-Bushahr State-Gurkha.

21. MICHNI-Peshawar-British.

22. MOHUR-Bashahr State-Gurkha. Contains a famous Hindu Temple.

23. MULTAN-Muhammadan.

24. NAWAGARH-Bashahr State-Gorkha.

25. PATHANKOT-Gurdaspur-A very ancient Fort. Hindi coins of the 1st. Century found in it.

26. PESHAWAR-Fort of Bala Hissar of sun-dried brick-Muhammadan.

27. PHILLOUR-A Fort built by Ranjit Singh. 28. RAMGURH-Hindu-Gurkha.

29 RANIGAT-Eusofzai, Peshawar-Early Buddhist, with Grzeco-Bactrian remains. Strong hill fort.

30. ROTAS-Jhelum-Massive fort built by Shir Shah; covers 260 acres-Muhammadan.

31. SHABKADAR-Peshawar-Sikh. Now held by the British.

32. SHER SHAH-Multan-River fort on the Chenab-Muhammadan.

33. SHORKOT-North-west of Multan-A very ancient Fort. Greek coins found; also a quantity of moulded bricks.

34 TANK-Dera Ismail Khan-Fort of mud Sir H. Durand lost his life here.

North-Western Provinces and Oudh.

35. AGRA-Muhammadan, Built by Akbar,

36. ALIGARII-Originally Hindu-Enlarged by the Mahrattas.

North-Western Provinces and Oudh-contd.

37. ALLAHABAD - Muhammadan - Akbar, A.D. 1575-

- 38. BARANA-65 miles west-south-west of Agra-Old Hindu Fort. Added to by Muhammadans and Jats.
- 39. BARIGARH—in the Banda District—Fort of Chandel Rajas.
 40. BATHSWAR—43 miles south-east of Agra—Hindu Fort.

41. BHIND—Near Etawah—Hindu Fort. 42. Bijangarit—Mirzapur—Hindu; ruined.

43. CHARKHERI-Near Mahoba, Banda-Muhammadan,

44. CHUNAR-Mirrapur-Hindu; used.

45. GARHA-in Sultanpur District, Oudh-formerly Hindu.

46. HATHRAS-Aligarh-Hindu; ruined.

47. JAGNER—Agra—36 miles south-west of Agra, on a hill 400 feet high, covered with remains of temples, &c. Has a gateway dated A.D. 1571, but the fort is Ancient Hindu.

48. JALAON-Small Hindu Fort. Remains of fine buildings inside-

 JAYTPUR—Banda District. Remains of Mahratta Fort enclosing numerous dressed granite carvings.

 Kalingar-Banda-Hindu, 7th Century A.D. Fertifications dismantled A.D. 1866. The site is covered with interesting remains.

51. Kasta-35 miles east of Gorakpur-called Matha-kuar-ka-kot-Buddhist.

MARPHU—in the Banda District—Fort of Chandel Rajas,
 MAUDHA—in the Hamirpur District—Fort of Chandel Rajas.

54 NALAPANI-Dehra Dun-Gurkha, A.D. 1814.

55. Nimsar-Lucknow-Muhammadan, A.D. 1362. Built on a Hindu founda-

\$6. RAGAULI-Banda-Hill Fort and 1,300 feet above sea-Hindu.

 RAI BARELI—Muhammadan, 15th Century A.D. Has some handsome tombs and mosques.

58. RAJGHAT-Benures-Erected by the British, A.D. 1837.

59. RAMNAGAR-Robilkhand-Old Hindu Fort, with 54 bastions.

60. SHAHJAHANPUR-Muhammadan.

SIRAKAT—Kumaun—Hindu. Strong, but without water-supply.
 UJAIN—near Kashipur in the Moradabad District—Buddhist.

Bengal and Assam.

63. BARABATI-Cuttack-Hindu, 14th Century A.D.; almost ruined,

64. Benugarh-Purneah District-Hindu, B.C. 57; ruined.

65. BESARH-Patna-Buddhist. Large deserted Fort.

Bihar—Gya—Buddhist. Massive walls,
 Calcutta—(Fort William)—British.

 DURDURIA—Dacca District—Hindu; 2 miles in circuit; contains remains of buildings.

69 GHOLGHAT-Remains of a Portuguese Fort, which grew into Hugh.

70. JANOGARH-in Orissa-Buddhist. Asoka Inscriptions.

71. MONGHYR-Muhammadan.

72 RAJAGRIAH-Patua-Ancient Buddhist; in ruins.

73 RAMGARH—South of Hazarihagh—Buddhist contains an Asoka Inscription.
74. ROHTASGARH—Shahabad—Ancient Hindu; 1,490 leet high, 28 miles in

circuit; contains many interesting buildings. 75. GARHGAON—Sibsagar, Assam—Hindu.

Rajputana.

76. AMBER-Jaipur-Hindu.

77. BHAINSROR-Udaipur, on a rock-Hindu.

78. BHARTPUR-Hindu, A.D. 1733-79. BHATNAIR-Bikaner-Old Hindu.

So. BHAT-KA-DUNGR-A circular aboriginal fort-Jaipur State, 2 miles southwest of Nain.

81. BIKANER-Hindu, 34 miles circuit. Good condition and massive.

82. CHITTORE-Early Raiput.

83. DEOSA-Jaipur State-32 miles east of Jaipur city on the top of a hill-Hindu.

84. DtG-Deeg-Bhartpur-Hindu. 83. JAIPUR-Tiger Fort-Hindu.

80. JAISALMER-Hindu; 250 feet high; strong.

87. Jonnette-Hindu, A.D. 1549. 88. RAJGARH-Ulwar State.

89. RANTAMBORE-Jaipur State.

90. TARAGARH-Ajmir-Originally Hindu.

Central India.

or. AJAIGARH-Bundelkhand Agency-Fort of Chandel Rajas.

92. BHILSA-Bhopal-Hindu.

03. CHANDERI-Gwallor-Ruins; Hindu.

94. GWALIOR-Gwalior-Hindu.

95. IRICH-Central India on the Betwa, north-east of Jhansi, formerly Hindu-Captured by Akbar.

96. JAHAR-Gwalior State.

97. JHANSI-Gwalior-Hindu; naturally strong position.

- 98. LAHAR-Central India between Gwalior and Jalaun-Mahratta. os. Manigari - Bundelkhand Agency - Fort of Chandel Rajas.
- 100. RAHATCHAR-East of Bhopal-formerly Hindu, containing rules of an extensive Palace,

101. RAISIN-Bhopal-Hindu,

102. UDAIPUR-pear Bhilsa-Hindu, Muhammarlan.

103. Sindwa-Mahratta, one mile in circuit.

Central Provinces.

ing. Ajmingarii-Mandla-Hill Fort.

105. ASIRGARH-Nimar-Hindu; strong.

rob. Ballarun-Chanda-Hindu. 107. Bat.on-Raipur-Hindu

108. CHAMAGARH-Narsingpur District-Hindu; ruined.

tog. Deors-Saugor-covering 3 acres-Hindu-1713; 1,700 feet high; occupied by Police, &c.

110 DHAMONI-Saugor-Hindu, 1600; 52 acres.

111. DONGARGARH-Ripur-Hindu; 4 miles circuit; no remains of buildings. 112 GARHA-Near Jubbulpore-Fort of Chandel Rajas,

113 GARHAKOTA-Sagar-Hindu, 1629.

114. HATTA-North of Damoh-formerly Hindu.

115. KOSGAIN-Bilzspur-Hindu.

Central Provinces contil.

116. LAPHAGARH-Bilaspur District-Hindu; part of the Fort remains in good preservation-

117. MANDIA-Hindu-see Grant's Central Provinces Gazetteer.

118, PAUNI-South-East of Nagpur-Hindu.

119. RAHABGARH-Sagar-Hindu; large Fort with many buildings.

rao. Ramus-Hindu, A.D. 1460; a mile in circuit-

121. SAGAR-Mahratta Fort-covering 6 acres. 122. Singaurgarn-Jubbulpore, on a high hill-Hindu, A.D. 1540; remains of the Fort are extensive.

123. TEPAGARH-Chanda-Hindu; 2,000 feet above the sea.

124. UMRER-Nagpur-Hinda; partly mined.

Bombay Presidency.

125. AHMADNAGAR-Deccan-Muhammailan, A.D. 1559: 13 miles in circuit.

126. BIJAPUR-Kaladgi-Muhammadan. 127. BUKKUR-Sind-Muhammadan.

128. CHAMPANER-Panch Mahals-Large and strong; Hindu:

139. Daman-Portuguese Settlement-In Guzerat, two Forts; "Damao Grande," " Damao Piquent."

130. DHARWAR-Hindu, A.D. 1403; falling into ruins.

131. DHULIA-Khandesh-Hindu.

132. Ditt-Portuguse, A.D. 1545; in good preservation.

133 DOHAD-Panch Mahals-Muhammadan, 15th Century; strongly built.

134. HARISCHANDRAGARH-Ahmednagar; 3,869 feet above the sea-135 IMAMGARII-Khairpur State, Sind. Blown up by Sir C. Napier.

136. JUNNAR-Poona-Muhammudan, A.D. 1436.

137. PURUNDHAR-Poons, on a hill, 4,472 feet above sea-Hindu; afterwards occupied by Mahrattas.

138. RAIGARH-Thana-Hindu; eventually taken by Mahrattus.

139. RAIRI-Ratnagiri-Mahratta, A.D. 1662

140. PAROLA-Khandesh-Hindu 141. PARTANGARH-Satara-Mahratta.

142. PAWAGARH-Panch Mahala, on a bill, 2,800 feet above the sca-Jain , afterwards occupied by Muhammadans, who erected buildings:

143. PAWANGARH-Kolhapur-Hill Fort-Hindu.

144 SATARA-On a hill-Mahratta.

145. SEHWAN-Karachi-Sind, old fort, said to be of Alexander the Great

146. SHIVNER-Poona-Mahratta.

147. SHOLAPUR-Muhammadan, A.D. 1345.

148. SONGARH—Baroda—Hindu. 149. SURAT—Built A.D. 1373, rebuilt A.D. 1546.

150. SINHGARH-Poona-Hinda.

Berars.

151. BALAPUR-Muhammadan, A.D. 1757; large and strong.

152. GAWILGARH-Ellichpur-Muhammadan, A.D. 1420. Fort dismantied A.D.

153 NARNALA-Ellichpur, on a hill, 3, rfs feet above sea; extensive fortifications-Jain; afterwards added to by Muhammadans; interesting ruined buildings in the Central Fort. 34

Haiderabad.

- 154 DAULATABAD-On a rock-Hindu (Deogiri); large Fortress,
- 155. GOLCONDA-Fort used as the Nizam's Treasury.
- 150. NALDRUG-11 miles in circuit, on a rock 200 feet high-Early Hindu.

Maisur.

- 157. BADIHAL-Chitaldrug-Hindu, 16th Century A.D.
- 158 BANGALORE-Hindu, A.D. 1537.
- 159. CHIEBALLAPUR-Kolar-Hindu, A.D. 1479.
- 160. CHITALDRUG-Nagar-Hindu, A.D. 1508.
- 151. DODLALBAPUR-Bangalore-Hindu, 14th Century A.D. In the Fort are the remains of several fine buildings and tanks.
- 162. MAISUR-Hindu.
- 163. NANDIDRUG-Kolar, on a hill, 4,810 feet above the sea-Hindu; added to by Muhammadans.
- 164 SAVANDRUG-Bangalore-Hindu.
- 165 SERINGAPATAM—Hindu, A.D. 1454; existing fortification constructed by Tipu Sultan.
- 166. Sira-Tumkur-Muhammadan.

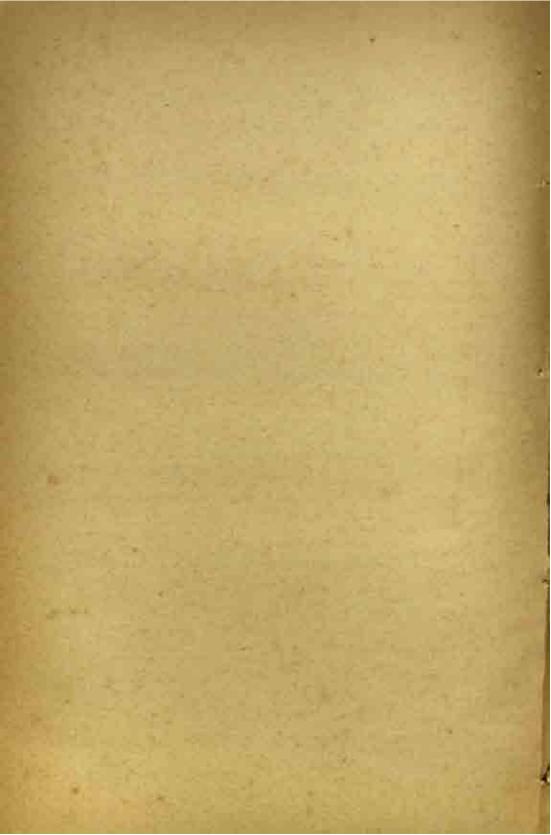
Madras.

- 167. ARCOT-Hindu-Now almost ruined.
- 168. ARIA KUSSUM-Near Pondicherry-Hindu.
- 100. ARNI-North Arcot-Hindu; in ruins.
- 170. ATUR-Salem.
- 171. AMBERDRUG-North Arcot, Madras.
- 172 BELLARY-Hindu, 15th Century A.D.; strong.
- 173 BOBBILY-Vizagapatam-Hindu. 174 CANNANDRE-Malabar-Hindu.
- 175 CHAITPET-South Arcot District-Hindu.
- 176. CHANDRAGIRI-North Arcot-Hindu, A.D. 1510.
- 177. CHINGLEPUT—Hindu, 16th Century A.D. 178. CHETVAI—Malabar—Dutch, A.D. 1717.
- 179 COCHIN-Malabar-First European Fort in India, Portuguese, A.D. 1503 I now rained and occupied by a light-house.
- 180. COVELONG-Chingleput-Muhammadan, A.D. 1745; blown up in A.D. 1752 by Clive.
- 181. CUDDALORE-South Arcot-Muhammadan; in ruins.
- 182. FORT ST. DAVID-South Arcot, 17th Century A.D. Paris in good preservation; is a landmark for mariners.
- 183. DEVIKOTTA-Tanjore on the coast at the mouth of the Coleroon River.

 An early settlement of the Company; rained.
- 184. DHARAPURAM-Coimbatore. Fort dismantled in A.D. 1792.
- 185. DINDIGAL-Madura, on a rock, 1,223 feet high-Hindu. Was occupied by the British until A.D. 1860; great natural strength.
- 186: GANDIKOT-Cuddapah District, 1,670 feet high-Hindu, A.D. 1589.
- 187. GANJAM Company's Fort, A.D. 1768.
- 188. GOOTY-Bellary-Mahratta, 16th Century A.D.
- 189. GURRAM KONDA-Cuddapah-Hindu.
- 190. GINGI-South Arcot-Hindu, A.D. 1442. Several fine buildings in the Fort.

Madras-contd.

- tgr. Kanyagari-Nellone-Hindu, 13th Century A.D.; on a hill 1,500 above the sea. There is an ancient temple here.
- 102. KARANGULI-Chingleput.
- 193. FORT St. GEORGE-British, A.D. 1609.
- 194. PALGNAT-Malabar-Hindu.
- 195. PENNAKONDA-Bellary-Hindu; afterwards occupied by Muhammadans, who left many buildings.
- 196. PERAMAKAI.-South Arcot-Hindu: on a hill 370 test high.
- 197. RAIDRUG-Bellary-Hindu. 198. TANJORE-Hindo-Occupied by Mahrattas.
- 199. SANKARIDRUG-Salem-Hindu; very strong
- 200. Satvamangalam-Coimbatore-Hindu.
- 201. TELLICHERI-Malabar-Hindu; used as w jail.
- 202. TIAJAR-South Arcot-Old Hindu
- 203. TRANQUEBAR-Tanjore-Built by the Danes, A.D. 1624.
- 304. TRIVANDRUM-Travancore-Hindu; full of quaint wooden buildings.
- 305 VELLORE-North Arcot-Hindu, 1300, strong Has a beautiful temple inside.
- 206 VINUKUNDA-Kistna-Old Hindu



PRESERVATION OF NATIONAL MONUMENTS.

THIRD REPORT

OF THE

CURATOR OF ANCIENT MONUMENTS

INDIA,

FOR

THE YEAR 1883-84.



CALCUTTA:

PRINTED BY THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.

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ERRATA.

Page 2, para, 8, for "have now asked the Supreme," &c., read "have asked the Supreme," &c.

Page 3, para. II. for "V to X" rend "U to X."

Page 24, para 50 for "old mint buildings of debris," read "old mint of debris."

In page xxvii, Appendix E, para, 13, 3rd line, for "and I merely repeat," sead "and merely repeat."

Page cwill, para 1, for "according to the buildings they belonged to," read "according to their buildings."

Page cit, para, 2, for "their sculptured has reliefs often contain represent buildings," read "their sculptured has reliefs often represent buildings."

In page exitt, Appendix I, under heading Plate No. 14, and para, and line, for "eways," read "ewage."

In page cxiv, Appendix I, under hearing Plate No. 17, last line but one of paragraph, for "atlan-like," road "Atlan-like,"

Page exv, plate 23, for "parially " rend " partially."

Page cavi, plate 27, for " Jatakas, or birth-stones of Buddha," rend " Jatakas or birth-stories of Buddha."

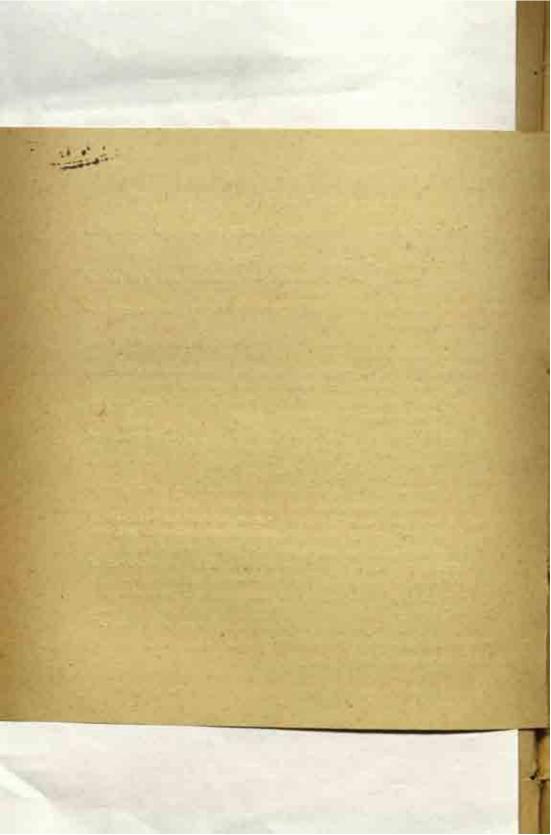
Page exectly, para. 1, for " Kutub Minar, stands to miles from Modern Dalhi, and is surrounded " read " Kutub Minar, to miles from Modern Delhi, it surrounded."

Page clair, para. 24, for "is dedicated to Vishnu, called Rangnath Swami," read "dedicated to Vishnu is called Rangnath Swami,"

Page clay, (Xylia-Doia-Britorms, the tron Tree) should be interted after "Jambu" in para, 11,

Page clay, pain, 12, for " irregular in outline in plan and with a flat root."

read " irregular in outline and with a flut root."



THIRD REPORT

OF THE



CURATOR OF ANCIENT MONUMENTS IN INDIA.

FOR THE YEAR 1883-84

WORK OF THE CURATOR'S OFFICE.

On my return to head-quarters the 8th April 1883, I Return to Head-quarters the 8th April 1883, I Return to Head-quarters at Chittore, Mandhatta, Ajmir, Lahore, Gwalior, Sanchi, and in completing the drawings of Madras temples. Up to the 3rd of July I occupied myself with the illustrated report on explorations in Yusufzai.

2. I had intended going on tour during the rains, but the Double receipt of a letter from the Government of India, enclosing for my opinion a draft resolution directing Local Governments to themselves provide the means for preserving buildings and monuments of importance, made it necessary to hurry the completion of the second annual report for 1882-83, without which my reply would have been incomplete.

3. It was not until the 22nd September that I was able opinion in the to send in an answer upholding the advantages of a central dean office, i.e., (1) economy in one referee instead of several; (2) uniformity in remedies throughout the country assured; (3) continuity in operations more probable; (4) systematic custody constantly advocated; (5) attention invited to monuments in Native States; (6) the best structures of their class in India repaired; (7) economical expedients suggested and experience reaped in one Province made available for the benefit of other Provinces; (8) Indian architecture dealt with as a whole; (9) illustrations produced of the general subject of Indian architecture.

Past experience shows that, without encouragement from the Government of India, Local Governments will do little

or act spasmodically.

4. I left Simla on tour the 25th October 1883, reached Tour. Mardan on the 29th, and was engaged for six weeks on explorations in Yusufzai and then proceeded to Lahore to arrange the sculptures found during the two seasons.

finish of the Residucion.

5. The issue by the Government of India of the Resolution referred to took place on the 26th November 1883, and by its orders the conservation of ancient monuments was handed over to Local Governments, who were informed that my services would not be available in the capacity of Curator after the term of three years, for which the appointment had received the sanction of the Secretary of State. cided me to confer personally with the Supreme Government.

Proposed joint

6. I arrived in Calcutta on the 1st of January 1884, remained there during the month, and was told unofficially that the Government of India would be disposed to favour the employment of my services by several Local Governments as their superintending officer. I accordingly made arrangements for visiting and addressing the Local Governments and Administrations of Northern India, including Bengal, the North-Western Provinces and Oudh, the Punjab, and the Agencies of Rajputana and Central India. I submitted no

proposals to Southern and Western India.

Vanista N.-W. Provinces and Oudh, Paniah, Central India, and Hajper

7. I met Colonel Bannerman, the Officiating Agent to the Governor General in Central India, in camp at Mandu near Mhow, and remained with him from the 7th to the 10th of February. I then proceeded to Allahabad, to see Sir Alfred Lyall. On my way up-country I stayed at Agra and returned to head-quarters to start a portion of my establishment on fairing out rough field surveys. Early in March I went to Labore in order to confer with the Lieutenant-Governor of the Punjab, and from thence journeyed to Nimbahera in Rajputana to keep an appointment with Colonel Bradford, Agent to the Governor General. On my return I stayed at Ajmir, Jaipur, and Delhi, reaching head-quarters on the 16th of March.

Applications types Local

8. The North-Western Provinces and Oudh, the Punjab, Rajputana, and Central India have now asked the Supreme Government for my services to superintend the conservation of their ancient monuments.

Affinement of fano-

9. The allotments from Imperial funds during 1883-84 have been as follows :-

	R
Madras, for Bijanagar, Seven Pagodas, Amravati .	10,000
Punjab, for Lahore and Delhi	10,892
Military Works, for Chunar Fort	300
Bengal, for Sasaram and Gaur	5,185
North-Western Provinces and Oudh, for Sikundra	2,500
Rajputana, for Ajmir.	5,000
Correct over	42.877

Brought forward		R 42,827
Central India, for Mandu, Sanchi, and Gwalior Bombay, for Ahmedabad and Bijapur		5,000
TOTAL	B	53,495

10. Besides the above grants, a sum of R5,000 has reported an been sanctioned for reproduction of drawings prepared in my of drawings offices.

the various buildings illustrated are quoted in the appen-published dices E to R and V to X.

MADRAS.

12. On the 23rd July 1883 the Madras Government sanc-Seom tioned an estimate drawn up by Mr. F. C. Black, Assistant Engineer, Archæological Works, Madras, for repairs to the monuments of antiquity at Mahavellipur.

						R
Alaiva or Shore Temple		8		78		453
Krishna Mandapam .			- 51	34	- 23	504
An unfinished rock excavatio	R .	797	× 1		100	80
Kapalisvara Mandapam						44
Ganesh Temple		61		-	1.61	32
Vishnu Temple		AL.	10	18	(47	44 32 83
Rayal Gopuram Mahishmardini Mandapam		25/	82	25	107	9
Mahishmardini Mandapam			*			165
Olik Anesvara Temple		65		-	181	TOT
Draupadis and Dharmarajas I	Rath	10				89
Bhima's Ratha						80
Six cuves		141		. 74	171	371
Watchmen and contingencies		(4)	40	(4	167	286
			TOTAL		53	2,228

This estimate provided for carrying out recommendations submitted in the first annual report for 1881-82, pages cxiii to cxvii. During its preparation in May, June, and July 1883, Mr. Black excavated the Alaiva or Shore Temple and made some interesting discoveries of inscriptions, also of portions of the temple that had become buried in sand.

13. The allotment of the available funds was disposed of Allotment of by an order of the Madras Government, dated the 20th funds. July 1883, as follows: "Major Cole has made an offer of R10,000 on behalf of the Government of India for conservation of monuments generally. This, with the R5,000

promised by the Local Governments, will admit of an expenditure of R15,000 in the current official year, which it is proposed to distribute as follows:—

Mr. Black's salary, &	0.1		-	-		25	7,000
For Hampi work	(4)	*	Ta.	. 10			4,000
" Amravati work	587		2	27		- 1	2,400
" Seven Pagodas	22	7	N.	. 21	1	1	1,600
				To	TAL.		15,000

Mr. Black's

Orders on the Palace at

Chicodragici:

14. On the 31st July 1883, I suggested that Mr. Black should work at the Seven Pagodas during November and December and then proceed to Amravati for actual operations. This the Government approved.

Governor's

15. His Excellency the Governor visited Chandragiri in July 1883, and an extract from his Minute dated the 4th August 1883, was forwarded for my information.

"The Chandragiri Palace, so closely connected with our history in South India, is a fine thing. It should be carefully kept in the state of ruinous but not unsightly repair in which it now is."

BOMBAY.

Hashim Roja Mutque 16. On the 29th June 1883, the Executive Engineer, Bijapur, reported that a part of the cornice of the east from of the Ibrahim Roja Masjid had fallen (see page cx, Report for 1881-82, and page xciii of the Report for 1882-3). In the absence of any sanctioned estimate for repairing the building, I recommended that the loose or shaky cornice corbels be taken down, so that eventually they might be rebuilt in their places.

Grunt for Bijeper 17. A sum of R2,000 was allotted out of my Budget for the following repairs at Bijapur .-

		Tor	SE SE	170	2,000	
Mecca Masjid Mehtari Mahal Ibrahim Roja (Tomb)	100				336 (150) 759	
Gagan Mahal Gateway		2		142	755)	The actual

The estimates for the first three had been sanctioned in December 1882 (see page xcvi, Report, 1882-83), but the latter work was for precautionary props to the stone cornices of the inner verandah of the Tomb. I noticed in my Report for 1882-83, page xciv, the unsatisfactory repairs at Bijapur; but 1 do not see how such repairs can be satisfactory if Architectural considerations are neglected.

18. A sum of R3,000 was allotted for repairs to Syud Grant for Usman's Mosque and Tomb at Ahmedabad, the estimate for Ahmedabad.

which, amounting to R12,296, had been sanctioned in 1882.

19. Repairs were sanctioned in November 1883 to the Fort of gateway of the Fort of Pratabgad amounting to R141, and the estimate was referred to me; but as I had not seen the building or a photograph of it, I was unable to judge of the architectural value of the structure.

and buildings at Dabhoi in the Baroda State. They are hards most beautiful architecture of the Jain style of the toth century, A.D., and the structures should be kept in repair, the carvings; if necessary, being cleaned.

21. My time for inspections being short this year, I was remarkable to visit the buildings, &c., in the Thana District men-

tioned in para. 5 of page xc, Report for 1882-83.

BENGAL.

22. A sum of R5,185 allotted out of my Budget for Allotted 1883-84 for repairs to Shir Shah's Tomb and the Gaur ruins, Tomb and was partially utilised by Mr. Beglar in the following flass:

						R
Shir Shah's Tomb	(6		(4)	4	+0	2,479
Gaur and Panduah	- 1	147	4	167	- 61	1,807
			To	TAL		4,286

23. In the early part of the year a Provincial grant of Repairs at Rto,000 was spent in repairs to the Raja Man Singh's Rhotasgath. Palace buildings at Rhotasgarh, but I have not been able to

visit the place.

24. As regards the repairs in 1882-83 to Shir Shah's Tomb, Repairs to the I have already recorded an opinion at page xcviii of my Tamb of Shir Second Report for 1882-83. Mr. Beglar's tendency is to run heavily into bricks and mortar, which is not only expensive but apt to be injudicious. My position in regard to the Bengal Government did not give me power to prohibit or order any work: I gave my advice only. A recommendation

to remove the square cupola on the dome has, however, been carried out, and Mr. Fergusson takes me to task for the advice.

The evidence is as follows :-

i.—A drawing made by Captain Elliott, R.N., of Shir Shah's Tomb, published as an engraving in 1834. shows the finial to have fallen, only a piece of iron or stone is protruding from the top of the dome at an angle. Captain Elliott must have made the sketch in the time of Lord Minto, i.e., about 1810.

ii.—Therefore the cupola on four pillars shown in my sketch, page xcviii of the Report for 1882-83, is a repair, and as I saw at a glance a modern addition.

iii.—Martin's "Eastern India" has an engraving dated 1838 showing a four-pillared kiosque on the dome, —the inference being that the drawing was made later than Captain Elliott's sketch and after the repair.

iv .- I find at page 148 of Travels in India during 1780-83 by William Hodges, R.A. (published by Edwards, Pall Mall, in 1794), that he describes Shir Shah's Tomb (the italics are mine): "The plan of this Mausoleum is a square base, rising from the centre of the lake, having at each angle pavilions crotoned with domes and finished with a cullus; from this base was a bridge, that from the ruins now remaining must have consisted of six pointed arches which communicated to the side of the lake, and on two sides are a double flight of steps to the water; on the base is raised an octagon building, having three pointed arches in each face, and on each angle are pavilions finished like the former. Somewhat behind this runs an octagon, ninety-two feet in diameter, and from the extremes spring the dome which is finished on the top by a small pavilion like those already described." These latter exist and are polygonal, the inference being that Hodges saw a polygonal pavilion crowning the dome between 1780 and 1783.

v.—The evidence in other buildings of the Afghan style
is, that where there was a lantern or cupola crowning
a dome it is on four pillars when the building is
square in plan, and on eight pillars or eight-sided
when the building is octagonal in plan.

The Tomb of Mubarak Shah at Delhi, A.D. 1433, is octagonal in plan, the dome being finished by a cupola on night pillars.

The Tomb of Alawaldin at Tijara near Ulwar, A.D. 1517, is octagonal in plan, the dome being finished by a cupola

on eight piliars.

The Tomb of Fateh Jang at Ulwar, A.D. 1547, is square in plan, and the dome capped by a kiosque on four pillars.

The Tomb of Makdum Shah Daolat at Monear on the River at Sone (Akbar's time) has a dome raised on an octagonal base and surmounted by a lantern with eight sides.

To remove the square pavilion from Shir Shah's Tombs, which is octagonal in plan, would therefore appear to be correct. It now remains to replace it by a finial of the original design.

25. As regards the work at Gaur and Panduah, I address- Repairs at ed the following remarks to the Bengal Government: "Mr. Passing Beglar, under your instructions, has referred his estimates for maintaining the Gaur and Panduah buildings to me. They

as follows :			K.	R	
Adina Masjid	14	4	43,804)
Eklakhi Masjid .	-		2,710		Panduah.
Sona Musjid .	-	22	24	46,547	,
The Jhanjhania Masjid			2/114		
Thermore by		1	250		
Kadam Rasul Gate	5	11	800		
Durgah	-	. 10	591		
Minar .		7.	1,863		
Gunmant Masjid .		12	200		Carlotte.
Daras Bari .	742	45	531		Gam.
Bara Sona	120	5.	4,907		
Lattan Masjid .			4,303		
Chhota Sona Masjid .	4	31	200		
Tantipara Masjid .	260	*1	350		
Bera Masjid	14	*1	4,000		
Dakhal Masjid .	3	- 2	4,000	24,009	
B 16 - 315				3,5±8	
Contingencies.		-		217-0	
	Tor	CAE	102 TO	74,084	

"(2) I have conferred personally with Mr. Beglar on the subject of these estimates, and have the honour to remark that it is not possible for me to submit a detailed opinion on them without examining the buildings, I am, however, satisfied that excavating the enormous amount of earth which fills and surrounds the Adina Masjid at Panduah

is a very proper work to sanction, also that providing temporary accommodation in the Kadam Rasul gateway at Gaurfor the officer in charge of the repairs, is unobjectionable. The total estimate for repairing the fine old Adina Masjid at Panduah comes to R43,804—this includes R6,071 for removing the earth and debris from the interior and exterior and I would recommend the expenditure of R1,200 before the end of the current financial year on this item. The estimate for the accommodation in the Kadam Rasul gateway amounts to R800, and I recommend this to be sanctioned.

"(3) I provided a sum of R2,000 out of this year's Budget for commencing the Gaur work, and the requisite funds

for the works specified are therefore available."

It seems to me that R74,084 is a large sum to spend on these buildings. The first steps should be to clear all the jungle from them, to clear the buildings of débris, to preserve those portions of buildings that can be replaced or are of interest, to repair roofs to prevent the infiltration of rain, to prop up walls that threaten to fall, to clean off dirt, plaster or white-wash from all ornamental or inscribed masonry, and to secure such ornamental parts in their places.

Puttice armaginesis for conserving managers in Hengal

26. I addressed the Bengal Government, in January, on the subject of future arrangements for conserving monuments in the Province, and was informed in March that all probable wants can be met by the existing establishment of the Public Works Department. Later, in April, the Government stated that there were no funds available for such purposes.

CENTRAL INDIA.

Gret of the Sunchi require, ittlu-63. 27. The cost of the operations at Sanchi, detailed at pages c to cili of my Report for 1882-83, is as follows:—

460.00					R	-	p,
Material .		20			4,113	10	0
Labour Major Keith's pay	19	- 2	-8		7,650	D	8
	14	E		-	2,352	10	-8
Temporary Establishment Miscellaneous	32	-57	*	- 14	3,078	5	3
MISCELLALCOUR 2	17	100	2.	137	205	8	6
		Тот	ÁL.	×	17,400	14:	0

Wapoles at

28. After leaving Sanchi in April (see Appendix E), Major Keith went to Mussoorie to write his report which I have never received. He returned to Gwalior on the 20th of

July and drew up estimates for repairs in the fortress to the following:-

Roof of the Sas Bahn Temple	762	8
Roof of the Teli-ka-Mandir Temple Establishment	1,668 488	0
TOTAL .	2,918	8

Funds were provided and the work put in hand, Major Keith being engaged up to the end of December 1883 (see Appendix F). During the latter months Major Keith was employed by the Local Administration in collecting Central India exhibits for the Calcutta Exhibition.

Officiating Agent to the Governor General in Central India, Manda. I addressed the following to him: "I have the honour to suggest that the various protective remedies that may be applied to the old mosques, tombs and palace buildings at Mandu, be carried out under the Political Agent, Bhopawar, His Highness the Maharajah of Dhar has, it is true, opened out a number of approaches to the ruins and constructed a driving road from Nalcha. As you observed yourself during your stay at Mandu the repairs to the buildings are unsatisfactory, and slabs of stone and marble have been taken from some of the most interesting structures. It is, I submit, most desirable that any available funds for repairs be laid out to the best advantage, and that the wanton destruction of the buildings be stopped.

"(2) I have asked the Comptroller of India Treasuries to place a sum of R1,200 at the disposal of the Political Agent, Bhopawar, for the Mandu buildings, and hope that the Supreme Government will make a further contribution next financial year. It would be better if the Maharajah of Dhar could be induced to contribute a sum of money to be made over to the Political Agent in place of the repairs, on which he was been engaged for the past three or four

years

"(3) Pending any future arrangements which the Governor General in Council may sanction in regard to the conservation of ancient monuments in Native States, I would recommend that the R1,200 allotted this year for Mandu be applied, under the direction of the Political Agent, in clearing the buildings of debris, in removing overgrowth and jungle from walls and roofs, and in making approaches to the various

groups of buildings, some of which are almost inaccessible

from density of jungle.

"(4) The accompanying sketch map shows the more important buildings at Mandu, but others may be discovered. I submitted some general recommendations in a note dated 5th January 1881," a copy of which is annexed, but the following works should, I think, be undertaken before actual structural repairs are begun:—

" Jama Masjid .- Clear the courtyard of debris; remove

the rough masonry partitions in the colonnade.

"Tomb of Hoshang Ghori.-Clear the enclosure of weeds

and debris; clean the blackened marble.

"Chota Jama Masjid.—Clear the colonnade and courtyard of cattle, debris, and vegetation; provide plain wooden doors at the entrances.

"Palace of Bas Bahadur .- Clean out the tank in the

courtyard.

"Daria Khan's Buildings.—Open out a path; clear jungle and debris. The marble Mosaic tombstones in the principal tomb should be cleaned.

"Lall Bangla, - Open out approaches; clear jungle and

debris.

"(5) It is, I think, most necessary to appoint a chowkidar to see that buildings are not mutilated or used for cattle."

Repairs at Manda.

30. The operations at Mandu have since been in progress under Lieutenant-Colonel Biddulph, Political Agent, Bhopawar, and the Maharajah of Dhar has generously contributed R2,000 for Mandu and R150 for repairing the Lat Masjid at Dhar (see page clay of the Report for 1881-82). Writing on the 11th March, Colonel Biddulph informed me what he had done at Dhar and Mandu. The cattle had been turned out of the Chota Jama Masjid, and an allotment of R100 made for work. An allotment of R100 was made for the Dhai-ka-Mahal and Dai-ka-chota-bain-ka-Mahal to fit them with doors, outroot pipal, stop cracks, clear debris and jungle. R35 were given for clearing the sarai near the Chota Jama Masjid, Rtoo for clearing the tank of Baz Bahadur's Palace, R6o for clearing Daria Khan's tomb, Rxoo for removing vegetation from the walls of the Hindu colonnade at Hoshang Ghori's tomb, and R80 for clearing the jungle at Mapeh Khan's tomb. Colonel Biddulph mentions the ruins of a tower of victory (7 storeys high) erected

by Mahmud,—a building I have not seen, but which must be one of the most interesting antiquities of the place. Speaking of the Jama Masjid, he proposes to make the domes and roof quite water-tight, to remove all vegetation, to mend a hole in the west wall, remove debris from the quadrangle, clean interior mehrabs or chapels, all marble work, &c., and remove the accumulated debris from under the north wall, outside. This, he says, will make what remains of the place safe, but R1,000 is much wanted to close gaps in the north and south walls. My Head draftsman, Mr. Supervisor Thompson, was engaged on the Mandu repairs for two months under the Political Agent, Bhopawar.

RAJPUTANA.

31. The surveys of the Jain Tower, Tower of Victory, and Sanguard Sanga Chaori in the Chittore Fortress were faired out during the summer, a set of 12 large plates being zincographed at the Intelligence Branch of the Quarter Master General's Office. On the 9th of October I submitted copies of the surveys to the Agent to the Governor General together with the following notes:—

Report on the Pillar of Victory built by the Rana Khambo of Meywar. 1

(1) The most celebrated monument of Chittorgarh is the Pillar of Victory, erected by the Rana Khambo in commemoration of the defeat and capture of Mahmud of Malwa

in A.D. 1439.

(2) It is said to have cost oo lakhs of rupees, and was built in seven years between A.D. 1442 and 1449. It is throughout of stone, and measures 30 feet wide at the base and 130 feet high or nearly so (the modern dome obscures the actual termination of the original roof). As an architectural object the tower is very varied in outline, whilst its position on the summit of the Chittore Hill gives it all the advantage of great height and command over the surrounding country. The style is Jain and resembles that of the smaller Jain Tower, which is the earliest monument of the Chittore Fortress, but the construction is much more elaborate and peculiar.

(3) In the older example the height is under 80 feet, and the central staircase winds up from base to summit through

a central shaft divided up into six floors.

³ See Appendix G.

(4) But in the present case we have a height of 130 feet, and the staircase passes up the tower through nine floors. The architect was not content with a single central well. The second, third, fourth, fifth, sixth, and seventh floors have each a square compartment in the middle surrounded by a gallery, through both of which the stairs wind alternately.

(5) Each storey is lighted by trellis windows, and the angles and recesses, not intersected by steps, are utilised for sculptured statues and ornaments. The exterior surface of the tower is broken up into nine principal divisions, each furnished with its windows, balustrades and eaves or chujjas, and emphasized by columns, pilasters, and numberless horizontal bands or comices. The whole is covered with sculptures, and most of the gods of Hindu mythology are represented wherever a niche or panel occurs.

(6) A set of six sheets of plans and drawings are submitted with this note. These show, to scale, the general outline of the various parts of the tower, and the notes in red ink record the present condition of the structure. Plate No. 6 gives in outline the sculptured details of a portion of the exterior walls of the second storey, but the carved figures and ornaments have been omitted from the elevation and section, as their insertion on so small a scale would have obscured 1 peals and confused the drawings.

(7) The following are my recommendations for repairs :-

Basement.

All vegetation to be completely outrooted.

The surrounding debris of stone to be as far as possible disposed of by rebuilding the broken walling.

The terrace floor surrounding the tower to be repaired. The masonry steps to be set in order and made passable,

First Floor.

All vegetation to be completely outrooted.

There appears no necessity for renewing the railing along the margin of the surrounding terrace.

The window on the west should be opened out and the masonry removed.

Broken patches of floor to be renewed.

The broken moulding at the south-east corner to be renewed in plain stone.

The broken cornice in the east porch to be renewed in plain stone.

The chujja (shown at O O, plate 3) to be renewed.

There is a crack between the south porch and the main building, which can only be completely remedied by rebuilding the porch, but if this cannot be done, galvanized iron ties should be used to strengthen the walls.

Second Floor.

All vegetation to be completely outrooted.

The chujja at N N to be renewed (see plate 3).

The balustrade opposite the south door to be renewed.

Third Floor.

All vegetation to be completely outrooted.

The broken masonry screen work in windows to be renewed (see plan 1).

The chujjas at M M (see plate 3) to be renewed.

If the image fallen from the niche to the south cannot be found, a plain stone to be inserted.

Fourth Floor.

All vegetation to be completely outrooted.

Balustrades and chuijas at L L and K K to be repaired

(see plate 3). Fifth Floor.

All vegetation to be completely outrooted.

The chujjas and balustrades at J J and H H to be repaired (see plate 3).

Sixth Floor.

All vegetation to be completely outrooted.

The chujjas and balustrades at G G and F F to be repaired (plate 3).

Seventh Floor.

All vegetation to be completely outrooted.

Balustrades and chujjas at E E and D D to be repaired (plate 3).

The damaged column on the south projecting porch to be renewed with plain mouldings.

Eighth Floor.

All vegetation to be completely outrooted.

The brick masonry filling in to be removed and the trellis windows renewed.

The balustrades and chujjas at C C and B B to be repaired (plate 3).

Wooden steps to the lantern of tower, or ninth floor, to be

renewed.

Ninth Floor.

All vegetation to be completely outrooted. Chujja at A A to be renewed (see plate 3).

Dome.

The present plaster dome should be removed, to reveal the original masonry roof which resembles that of the old Jain Tower. It is incongruous in style and was added by the Maharana Sarup Sing to make good injuries done by lightning. Mr. Fergusson sketched the tower with its original termination in 1839. The old roof should be repaired and rendered water-tight. The removal of the plaster will relieve the strain on the lintels and columns below, and it may be found possible to strengthen the masonry with horizontal iron joists and so do away with the rough columns added at the time of the repairs. A lightning-conductor should be placed on the summit of the tower. English copper bands \2" x \2". with clips and nails for fixing against masonry, cost about R1 per foot, and finials cost about R8. The best plan will be to connect the copper bands with the nearest tank so as to be always in contact with the water.

Jain Tower of Sri Allat at Chittore.1

(i) Major-General Cunningham, Director General of the Archæological Survey in India, in 1871, unearthed some Jain statues at Muttra which were ascertained to date from the time of Kanishka, (i.e., A.D. 85 to 120), and these appear to be the earliest traces of Jainism yet discovered. Jain architecture attained great perfection between 1000-1200 A.D. at Mount Abu, at Girnar, and elsewhere, but the singular point about the style is that so little is known of the process of its development.

(2) The tower of Sri Allat supplies a very important intermediate example dating 896 A.D., and is dedicated to Adnath, whose representations are repeated many hundred times outside the building. The height of the structures is 76 feet, but was probably 80 feet to the original apex of the roof. A central staircase winds up a square shalt through 6 storeys to the lantern on the top. Sculptures and mouldings cover the exterior from the base to the summit, rendering its appearance most elaborate and picturesque. Many of its architectural forms and details are found to be repeated in Indian temples of a later date. Its preservation is therefore important. Not only is its architecture reflected in the monuments of Chittorgarh itself, but it supplies important evidence of how the Jain style grew anterior to its period of greatest perfection.

(3) A set of the following illustrations accompany these

notes :-

1 Sheet of Plans.

1 Elevation.

1 Section.

(4) My recommendations for repairs are :-

(a) the whole of the vegetation to be completely outrooted;

(b) the debris about the base of the column to be

removed ;

(c) the carvings to be cleaned throughout, particularly at the lower part of the tower;

Basement.

(d) the masonry at the corners of the plinth to be renewed without any carving (see plan No. 1 on A A);

First and 2nd Floor.

(e) the displaced columns and masonry in the niche facing east between B B and C C should be got back into position and tied to the main structure with galvanized iron bars;

Third Floor.

(f) the masonry in the niche on the stairs to be repaired (see plan No. 3 on C C);

Fourth Floor.

(g) the window balustrades to the south and west to be renewed in plain stone, and the steps of the stairs to be renewed (see plan No. 4 on D D);

Fifth Floor.

(h) the face of the north wall which is cracked and bulging should be tied up with galvanized iron bars (see plan No. 5 on E E);

Sixth Floor:

(i) the two corners of the wall to the east which are eracked and bulging should be strengthened with galvanized iron ties (see plan No. 6 on F. F.);

Lantern.

(j) a column is missing on the north side of the upper lantern and should be replaced in plain stones (see plan on G G). The roof and ceiling require repair by resetting the old masonry and supplying new eaves, and missing courses to complete the apex. There remains but one of the bracket struts that were inserted between each pair of columns. Plain uncarved struts should be renewed. The missing course of masonry at the floor level on the south side to be made good;

(k) all loose masonry or cracks to be strengthened with

dowels, clamps, or galvanized iron ties;

(I) a lightning-conductor should be fitted to the apex of the roof when complete.

Report on the Sanga Chaori at Chittorgarh, Meywar.

 From an inscription in Sanserit on the right column of the western door this singular edifice appears to have been erected by the Treasurer of the Rana Khambo in A.D. 1448.

(2) The building is square in plan with projections on all four sides and raised on a plinth some 5 feet in height. Entrances are from the north and west, the sides east and south being filled by trellis windows.

(3) In the centre is a raised platform with columns at the four corners, and along its edges are small water-channels

with outlets at the angles.

(4) The centre part of the building is covered by a circular Jain dome built in horizontal layers richly ornamented.

(5) The exterior walls are beautifully sculptured with horizontal bands containing numerous figures and floral

scrolls.

(6) The original roof terminations of the central chamber and porches of the building have disappeared. The present plaster coverings look like repairs and are quite plain. There is a perfect figure of Parisnath over the entrance to the west and a less perfect one above the door to the north. The four memorial niches inside the building bear inscriptions, showing that they were placed in position in the years 1455 and 1456 A.D. (7) Mr. Fergusson notices a building at Barolli in the Kotah State which appears to be of this class 1

"The front of the temple is a detached porch here called a chaori or "nuptial ball (the same word I believe as choultrie in the south), in "which tradition records the marriage of a Huna (Hun) Prince to a "Rajputui bride, for which purpose it is said to have been erected, but whether this is so or not, it is one of the finest examples of such "detached halls known in the north."

(8) Another example resembling this in plan is the temple of Siddheswar at Mandhatta on the Narbadda, in which, however, there are entrances and porches on all

four sides.

(o) The Sanga chaori was intended to serve a special purpose, and does not represent any very common type; but the architecture is admirable, and the building, although small, is one of the most attractive in Chittore. It is unfortunately much ruined and used as an entrance to the magazine enclosure.

(10) Massive walls of loose stone abut it on the east and

west, thus obscuring part of the beautiful carved exterior.

(11) A set of three zincograph plates accompany this note, illustrating the present condition of the building and the remedies which I suggest for its conservation.

(12) In the first place the wall should be diverted so as to free the structure and permit of a correct appreciation of

its design.

(13) All vegetation and tree growth should be outrooted from walls and roofs. It may be necessary to take down parts of the wall to get at the roots.

(14) Cracks in walls should be strengthened with iron clamps and filled up with mortar to prevent fresh vegetation

taking root.

(15) No new work should be introduced except where required for strength, and then only in plain unsculptured pieces.

(16) The steps to the north and west should be cleared

of debris and made passable.

(17) Displaced portions of masonry should be got back into positions.

(18) The roof and domes should be repaired and rendered

water-tight.

(19) The interior of the building to be cleaned out.

(20) The sculptures of the exterior and interior to be cleaned.

^{*} See page 140 of Fergussia's "History of Indian and Eastern Architecture."

(21) The floor to be repaired with stone laid in mortar,

(22) The raised floors in the two window bays to be repaired.

(23) The floor of the raised dais in the centre to be re-

paired.

(24) These remedies would not be costly or difficult.

(25) I am indebted to Kaviraja Shamul Dass of Udaipur, who kindly supplied me with transcripts of the inscriptions on the building.

Conveys at Conveys at Julyar Julyar 32. A survey party had gone into Rajputana during the cold weather and made detailed plans of the tomb of Fateh Jang at Ulwar, of the curious tombs of the Khanzadas, of the Lodi Emperor at Tijara near Ulwar, and of the famous Palace of the Jaipur Maharajahs at Amber. Very complete plates were prepared, some of which have been reproduced by zinco-graphy.

33. I visited Colonel Bradford's camp at Nimbahera on the 6th and 7th of March, and submitted recommendations for

future conservation of antiquities in Rajputana.

34. Shortly after, I inspected the work of my survey party at Amber, and regretted to see the inevitable whitewashing going on at the old palace in preparation for the visit of His Royal Highness the Duke of Connaught (see page claxiv.

Report for (881-82).

35. In company with Colonel Steel, R.E., I examined the marble pavilion in the Daolat Bagh, Ajmir, now undergoing repair. Out of the grant of R5,000 allotted from my Budget, R3,332 have been expended to the 31st March (see paragraphs 7 and 11 of Appendix H, page civ, Report for 1882-83; also paragraphs 17-19, Appendix S, page clxx of the Report for 1881-82).

36. Colonel Bayley, the Political Agent at Kotah, has forwarded to the Agent to the Governor General estimates framed by Mr. T. W. Miles, Executive Engineer, Kotah and

Jhallawar-

(i) for repairing the Kameshore Nath Temple at Ramgarh, amounting to R7,323;

(ii) for repairs to the chattri on the bund of the Ram-

garh Tank, R448;

(iii) for selecting and arranging portions of stone carving from the ruins of the Kabara Deora, an ancient
temple at Kishen Bilas, Kotah State, R1,543Colonel Bayley reports that the latter is a beautiful specimen of ancient stone carving;

Amber.

Visit to

Braidwell

Almie.

3Gotali.

- (iv) for repairing the ancient Baradari at Rangpur Kotah, R1,756; and
- (v) for removing rubbish and jungle from the old temple and ruins at Kishen Bilas, Kotah, and for sorting the carvings, R1,584.

PUNJAB.

37. The grant of R19,892 made by the Supreme Gov-Alletmont of ernment was distributed as follows by the Local Government:—

		R
(6)	Special repairs to Jahangir's Tomb, on an esti-	
	mate for R41,614	6,000
(11)	Experimental relaying of Jahangir's Tomb ter-	
	race, on an estimate for R65,100	2,000
(iii)	Special repairs, Shahlimar Gardens, on an esti-	
1000	mate for R12,546	4,000
= (iv)	Removal of Railway buildings at Jahangir's	
100	Tomb	392
(v)	Repairs to the mosaics in the Dewan-i-Am,	AND DESCRIPTION OF
Va. at	Delhi, on an estimate for R10,815	2,916
(vi)	Repairs to the Kila Kona Mosque at Delhi .	3,500
(vii)	Approaches, Nur Mahal Sarai	870
	Parapet, ditto	23.4
	TOTAL	19,892

Besides this a Provincial grant of R11,000 was distributed as follows:

		R
(viii)	Revised estimate for repairs to upper terrace of Jahangir's Tomb, R23,108 (ordered to be closed)	1
0.414		700
(ix)	Nakodar Tomb, on an estimate for R7,324 .	5.810
(x)	Petty repairs to historical buildings, on an esti- mate for R11,719	1,000
(xi)	Humayun's Tomb, Delhi, on an estimate for	
	R2,024	784
(xii)	Office and petty establishment	2,700
	TOTAL	11,000

And a grant of R4,000 for annual repairs, distributed as follows -

			R
(x:::)	Repairs to Shahlimar Gardens		794
(xiv)	PRODUCT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE		800
- (xv)	Do. to do, in and around Delhi		1,905
(xvi)	Battle monument at Ferozpur		300
(xvii)	Hiran Minar, Tank and Baradari, Firospur	,	200
	TOTAL	•)	4,000

juliungir's Tomb. 38. As regards the repairs at Jahangir's Tomb, the colonnade of the main building has had the tile Dado partially freed of whitewash, and part of the colonnade marble floor relaid. Portions of the marble terrace covering the whole building have been relaid; but the great expense of the latter arrests progress. Part of the coloured decoration in the main corridor leading to the tomb has been renovated. The various gateways of the tomb enclosures have been freed from the partitions, doors, and windows used for their conversion into dwellings (see Appendix 1).

Shahlimar Gurdent. 39. The work at the Shahlimar Gardens consists of masonry repairs to portions of the central tank and garden walls, repairs to water channels, enclosure walls, and corner kiosques (see Appendix K).

Fort, Str., at

40. Repairs to buildings at the Fort include those to the Moti Masjid (in use as a treasury), clearing out some upper chambers of the Shish Mahal, repairs to the Shish Mosaic and marble Dado, repairs to the floor of the Huzuri Bagh pavilion, cleaning interior marble-work and carved door of Ranjit Singh's Tomb, and repairs to the coloured tile-work of the north wall of the Fort (see Appendix L).

Nurmahal)

41. The gateway of the sarai built by Jahangir at Nurmahal had been renovated last year, but the approach road has this year been improved and the parapet wall of the gate repaired (see Appendix N).

Nakoda:

42. I have not been able to visit Nakodar since the repairs to the Tombs of Muhammad Mumin and Haji Jamal have been completed, but I was present with Mr. Harrington when the various works were decided on. All temporary or disfiguring additions were to be removed, the main object being to preserve what remains of the beautiful tile decorations and paintings. Experiments have been made to reproduce both forms of ornament; but with what success I am not in a position to judge

43. Lieutenant Abbott, R.E., prepared an estimate for Dewas-Khas, renovating the roof and ceiling of the Dewan-i-Khas in the Detail Delhi Fort, amounting to R7,231; but as he contemplated dismantling the old toof and ceiling and substituting entirely new work, I felt obliged to recommend that the old ceiling should be left intact. I consider that repairs should leave all the old work intact; any other proceeding is vandalistic.

44. An estimate for restoring the singular black marble Desas-Ass. mosaic at the back of the Dewan-i-Am in the Delhi Fort was drawn up by Lieutenant Abbott, amounting to R10,815. This received the sanction of the Punjab Government in September, and work to the extent of R2,916 has been done (see Appendix P). I visited Delhi in March last, and

was quite satisfied with those repairs.

45. An estimate for special repairs to the Kila Kona Rala Kona Mosque in Purana Kila, Delhi, amounting to R4,864, was Monque sanctioned in November 1883. The whitewash of the interior has been removed, but it should have been done without scraping the marble and stone. The mosaic work has been well repaired. The security of the structure requires attending to and insuring.

46. Repairs to buildings in and around Delhi are as Repairs to follows1:-

(a) Red sandstone flooring to the pavilion known as "Bhadon," in the Delhi Fort.

(b) Tomb of Imam Zamin at the Kutub. Renewal of caves and chujjas, red sandstone flooring, and partial removal of whitewash.

(c) Gateway of Ala-ud-din at the Kutub. Renewal of broken points of the cusped archways, repairs to red sandstone walls, repairs to the floor in concrete.

(d) Saldar Jang's Tomb. Petty mason's work and clean-

(e) Tomb and mosque known as Jamali Kamali at the Kutub. Red and white stone flooring, cleaning, and petty mason's work.

(f) Kutub-ul-Islam Mosque. Partial cleaning of the

columns.

(g) Wire fence to enclose the group of buildings at the

Kutub (see Appendix O).

(h) Repairs to the floor and screens in the small tomb in the grounds of Humayun's Tomb, and wire

fencing round the tomb known as that of the Barber.

(i) Provision of watchmen to the Delhi Mutiny Monument on the ridge.

Laft flamila,

47. The Canal Department at Delhi has for some time been desirous of converting some tombs of modern Mogul architecture, known as the Lall Bangla, into canal resthouses. I represented that they might be repaired and utilised if a guarantee could be obtained not to disfigure or alter the buildings, which are interesting specimens of the 18th century. Sanction to their transfer to the Irrigation Engineers has been withheld by the Punjab Government.

Vanutral.

48. The excavations conducted by me this year in Yusulzai have resulted in the discovery of a large number of sculptures from various sites on the frontiers of Swat and Buneyr. I was engaged in the district from the 20th October to the 12th December. Government determined that the work must be done in communication with the Director General of the Archæological Survey, and I therefore reserve a detailed report for the volume which he and I have in preparation on the "Buddhist Sculptures of Gandhara." After leaving Mardan in December, I spent ten days at Lahore in arranging the sculptures discovered under my direction in the same district during the cold season of 1882-83 (see pages exiv-exxxviii, Report, 1882-83), and these, together with the finds of this year, are now collected together in the building known as the Chauburji. There are altogether 227 boxes in which the carvings can be exhibited until more finished cases are made. The subjects are, as far as possible, grouped according to their class, figures, panels, friezes, &c., the broken pieces being pieced together so as to appear intelligible. Twelve sites were examined during the two seasons, the sculptures from each being kept together; of these Lahore retains 5, and the remainder are presented to the following museums by the Punjab Government :-

> Imperial Museum, Calcutta 2 groups. Victoria and Albert Museum, Bombay 2 Central Museum, Madras 2 Museum at Rangoon

They have all been photographed; some of them, repreduced by heliogravire, are published (see Appendix 1). I

See Appendix T.

also had some of the most remarkable sculptures in the Lahore Museum photographed by my Assistant, Mr. Supervisor Fluke. A selection of these, together with the photographs General Cunningham has of the results of his earlier explorations, will be utilised in the volume alluded to.

NORTH-WESTERN PROVINCES AND OUDH.

and Oudh referred to me in July 1883, on the subject of language. Imperial assistance for the construction of a visitors' bungation at Fatchpur Sikri, estimated to cost R23,117. In reply I was directed by the Government of India to state that funds for such a purpose were not available. It is, however, most desirable that suitable accommodation be found, as three of the palace buildings continue to be used by visitors.

50. In August the Lieutenant-Governor addressed the Jahange Inspector-General of Military Works on the subject of the Mahal Paville early relinquishment of the Jahangir Mahal Pavillon in the Foot.

Agra Fort, in view to its repair, and said he would be glad if the construction of other quarters for the Provost Sergeant could be expedited (see page cxli, Report for 1882-83).

North-Western Provinces and Oudh, sent me an estimate provided in July for repairing two raised sandstone causeways, which intersect the garden of Akbar's Tomb, at a cost of R6,817, and in forwarding the papers to the Local Government I remarked that the original geometric laying out of the garden had to a great extent disappeared, and what had been done of late years was merely to redeem the grounds from wild jungle; that if the two causeways were to be restored the others in the garden should be also put in repair, but if not, it seemed to me sufficient to simply bank up and turf the causeways to the north, west and east, but to repair the one to the south which serves as an approach for visitors.

52. The damage done by visitors to the mosaics in Cataly of the Agra Fort Palaces led me to recommend the provision the Agra function gates at the various points of ingress (see page cxli of the Report for 1882-83), and Mr. Heath's estimate amounting to R452 was sanctioned in November.

53. The suggestions in regard to the Sarnath Tope Sarnath Tope, made at page cxlv of the Report for 1882-83 led to a revision features of the original estimate (R7,784) and its reduction to R5,039, which amount was sanctioned.

54. At page cxli of the Report for 1882-83 I recorded a Control Singa recommendation to repair the Iaçade of the Ummer Singh Forc.

Gate in the Agra Fort. Mr. Heath's estimate for renovating the inlaid work and protecting the surface of coloured tiles with silica, amounting to R667, was recommended.

Khus Mahal and Samun Bari, Agra Fort 55. In September I advised the Local Government to sanction Mr. Heath's estimate, amounting to R3,910, for repairs to the enclosure walls of the Khas Mahal and Saman Buri in the Agra Fort.

Chini-ka-Roja,

56. In October Mr. Heath sent me an estimate for repairs to the Chini-ka-Roja (a tile-covered tomb on the north-east bank of the Jamna near the Rambagh), amounting to R1,257; and in recommending its sanction, I pointed out that the ule-work which had become black from damp should be cleaned, also that the interior fresco paintings should be revived, and a copy of the band of inscription encircling the interior should be sent to General Cunningham.

Dewan-i-Khas terrace, Agra Fort. 57. In December 1883 I recommended an estimate amounting to R1,870 for repairing the terrace and marble railing in front of the Diwan-i-Khas in the Agra Fort.

Protestion from lightning.

58. Estimates for providing the following buildings with lightning-conductors have been recommended:-

i.—Moti Masjid, Agra Fort. ii.—Akbar's Tomb, Sikandra.

iii.-Great Mosque, Fatehpur Sikri.

Mint hulldings, Fatehpur Sikri 59. Last year, I submitted various recommendations for buildings at Fatehpur Sikri (see page cxlii, Report, 1382-83); and Mr. Heath has prepared an estimate amounting to R1,087 for clearing the old mint buildings of debris and for propping some of the domed chambers. I pointed out to the Local Government that this sum seemed a good deal to spend on so plain a building, and that others of greater importance should be dealt with first—such as the so-called Haraoti-ka-Roja Pavilion and the house of Nawab Islam Khan.

Fainted decorations at Sileppira. 60. In a note on Akbar's Tomb at Sikandra (see page cxli, Report, 1882-83) allusion is made to the painted walls of the vestibule in front of the passage leading down to the actual tomb of Akbar. Ishmail Khan of Delhi has been employed to revive a portion, and the work is certainly very effective and handsome. I think the whole should be gradually restored, as the ornamentation is both rich and varied.

Hemoval of whitewash from all hubbings. 61. So much has been done to the Agra buildings that any shortcomings stand out in great contrast. The appearance of whitewash is particularly offensive. It occurs in Jahangir's Palace in the Agra Fort, where the removal is only

partial and done by scraping. It also appears in parts of Akbar's Tomb and the entrance gate, and in many other buildings. I think that a gang of workmen should be continually employed in removing whitewash from bond fide masonry or painted walls, and be trained to do so without injury to the surfaces beneath. The only way is to soften the lime with soap or acid and water, and to remove it carefully with modelling tools and brushes, using a syringe or garden pump to clean the surface. The cost is not great, but the effect is, and the process sometimes results in discoveries.

62. As Mr. Heath has unusual facilities at Agra and other imprises, places where work is in progress, I beg to suggest that he be instructed to copy all inscriptions on buildings and to send them to the Director General of the Archæological Survey.

63. I visited Agra on the 18th-19th February. The Chini- Visa to Agraka-Roja should be more accessible to visitors and have a good road up to it. The fresco paintings in the buildings overlooking the river at Itmad-ud-Dowlah's tomb (see Appendix R) have been freed of whitewash, but damage done by scraping. The paintings in the lower part of the tomb building are very handsome and should be cleaned and revived. The Somnath Gates in the Agra Fort have been cleaned. Mr. Heath states them to be of sandalwood. I think they ought to be in a glazed case in a position where they can be inspected both back and front. This is not possible where they now are. Some marble columns, brackets, and lintels of mosaic similar to that in the Saman Burj were discovered in digging foundations near the Ummer Singh Gate in the Agra Fort. I think they should be set up. The receiling of the Diwan-i-Khas with marble is complete and satisfactory. Repairs to the Saman Burj and Khas mahal are still in progress. I visited the Fatchpur-ki-Masjid near the Taj with Mr. Heath, and suggested how for a small sum he could secure the building from ruin, by water-tighting the roof and domes, and by filling in gaps in the masonry walls (see para, 5, page cexii, Report, 1881-82).

64. When at Allahabad in February, I took the opportu-Allahabad nity of seeing the Commissary of Ordnance, Major Lamb, R.A., to ascertain whether it is necessary to periodically white and colour-wash the interior of Akbar's Palace, and he said he would make no difficulties if the Executive Engineer was directed to clean the red sandstone columns. Indeed, some of them are coloured red, and cleaning them could have no effect on the light of the interior.

CENTRAL PROVINCES.

Mandutts.

65. In October 1883 I submitted my survey of the Island of Mandhatta to the Chief Commissioner of the Central Provinces.

A survey of the eastern portion of the island, and plan, section, and details of the Siddheswar Temple, were accompanied by the following recommendations:—

"The plan of the structure is unique, being a central sanctuary surrounded on all four sides by porches. The walls of the main part of the building, which is a square of 37 feet, are very massive and probably supported a lofty sikm, or tower, such as most temples possess. Each porch was composed of fourteen columns, but there is no evidence as to whether anything existed above the present flat roof. The great feature of the building is its plinth, with the bas-relief of large sculptured elephants. The whole is extremely ruined, and Mr. Grant conjectures that the temple was overthrown by Ala-ud-din,

who passed through the country in A.D. 1295.

"The plan shows what parts of the structure are standing, but until the debris is cleared away, so correct perception can be had of what is best for the preservation of the remains. The temple was domed in by Rao Daolat Singh some 45 years ago, and a Lingam now exists in it, but whether the dedication was originally to Siva can be best ascertained by a careful examination of all the fragments which are scattered around. An inscription or some sculptures may come to light, but as the architecture is Jain in style and an elephant is the symbol of the second Jain bierarch "Ajitanatha," It may possibly be discovered that the dedication was originally Jain and not Hindu at all.

"I strongly recommend that the building be cleared of all debris, that all portions of columns or carvings be carefully collected, and that they, together with the elephant plinth, be as far as possible got back into position. Restoration in a case of this sort is out of the question, but what exists should be preserved and secured in situ.

"If the preliminary clearing of the site of jungle and ruined masses, and collection of all carved fragments can be arranged for, some better or more suitable remedies may become evident. Notes on the plan of the temple indicate generally the condition of the structure, and where many of its component parts may be found."

I suggested in a letter that an engineer should be sent to carry out the preliminary measures, and offered to contribute towards the cost, but have not heard of anything having been done.

BURMAH, HAIDERABAD, ASSAM, AND MAISUR.

Discoveries in Assist. 66. In regard to Burmah, Haiderabad, and Maisur, I have nothing new to report. Some remains recently discovered in Assam have been added to the list of buildings in Appendix A.

THE PRACTICAL USE OF INDIAN ARCHÆOLOGY.

67. I would venture to describe archaeology as the discovery, elucidation, and preservation of historical records and monumental remains. The study of history is part of the national education, and to elucidate history is one of the uses of archaeology. But archaeology has other uses bearing on the architecture and art of a nation.

68. Each part of India has its own styles exhibited in the temples and dwellings of the past, and it is only right that these styles should reflect themselves in the native architec-

ture of the present day.

That such is not the case is greatly due to our own preoccupation in the government of a new country, also to neglect

and destruction in the days of conquest and mutiny,

69. Natives of India, for centuries the most conservative of people, are now aspiring to adopt English customs, whilst neglecting many of their own. I remember Amravati Seshya Sastri, C.S.I., telling me at Kombaconum in February 1881 that a temple architect in Madras is scarcely to be found, The people replaster and repaint their own fanes, but when it comes to building a new one, those who in old days would have produced a suitable plan are either in the service of our Government as engineering draftsmen or busy misrepresenting Gothic or Renaissance. A rich Seth of Muttra wanted some years ago to build a temple, and although Muttra was in ancient times the centre of Hindu architecture he had to send to Madras for a plan, the result being an inferior interpretation of Dravidian art. The Maharaja of Punna has built himself in Bandelkhand a temple like St. Pancras Church in London, and Scindiah and Holkar have a hankering for Indo-Italian Palaces.

70. Government provides for the education of natives in languages intimately connected with their various faiths, but it holds itself neutral in matters of religion. Its province is clearly not to encourage temple or mosque building, but when they are to be built it decides to provide for public health and safety before the design can be carried out. Why should not public taste be considered as well? Natives are often indifferent to sanitation or stability in their dwellings, but the poorest peasant likes a coloured pattern in his mud shanty.

71. As regards secular architecture, there is much in Bombay, Madras, and Calcutta to gratify the architectural tastes of Europeans, but no extensive encouragement has been

given to native architecture.

72. Something should be done, as the styles of public buildings at the presidency and other large towns have thrown the native mind into a state of chaos, and produced a mixed architecture over India, which every cultivated taste must regret.

73. The remedy is to let natives learn better. But they cannot be wandering up and down India to study the best buildings, and if they could, only one in a thousand would be able to draw them. To learn a language a grammar is required; to study architecture, a grammar of construction and ornament.

74. Without entering into the question of methods of teaching or classes to be taught, I submit that an accurate representation of Indian architecture is wanted for architectural

students.

75. Similarly, as regards industrial art, a grammar of ornament should be compiled applicable to decoration of all

kinds and intelligible in respect of scale and colour.

76. When invited in 1867 to offer suggestions for collecting information about the ancient architecture of India, I advocated its representation by photographs, drawings, plans, easts and written descriptions, pointing out how such means of educating natives might benefit their modern art.

77. In a note published in May 1879 (see Appendix G., First Annual Report, 1881-82) on the Industrial Arts in India, I endeavoured to direct attention to the use of ample illustrative material, such as architectural flat and carved ornament and

examples of industrial art.

78. I have been permitted to publish some experimental architectural plates which are described in the appendices of this report and give an idea of the class of illustration that I

think would be of practical use.1

79. These are but a portion of what is necessary to adequately represent Indian architecture and art. It would be necessary to complete the work, as I commenced it, under the Supreme Government; otherwise there would be sacrifices to uniformity, unnecessary repetition, as well as additional cost.

H. H. COLE, Major, R.E., Curator of Ancient Monuments in India.

At the request of Government I have given a proposed distribution list in Appendix V. Twenty-two sets have been subscribed for out of the 100 published, and more subscribers are expected. I think that single copies of the Plates should be available to give or sell to artisans of this country. The average cost for a new edition to—

Empravings (single Plates)

Hallogravures
Chrosoditingraphs (double Plates)

Ditto

Appendix A.

Lists of some Principal and other Native Architectural Buildings in Bengal, N.-W. Provinces and Oudh, Punjab, Kushmir, Rajpulana, Central India, Central Provinces, Haiderabad, Maisur, Burma, Madras, and Bombay. Revised, added to, and classified, according to Resolution of the Government of India, Home Department, No. wee, dated 26th November 1883, as under-

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II. These measureds which it is one only possible or desirable to take from further deary, by mak minor measures as the studiother of veretakin, the auximum of water foom the walls, and the like.

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Ill and Alla. There at cost of private individuals.

Bengal

Some Principal Ancient and other Native Architectural Buildings in the Lower Provinces of Bengal

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1	AR DIVISIONS, breef are described,	The pillar is still stated or standard.	Deserves to be jun- surved.	Much neglected	Surrounded by jun- giv and fulling into decay.	Pomerzation desir- ableg in main in the logi in emain in the face from the face of the late Raja, of Di- magnetic.	Pale
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Number of properties S Number of the Marken of Marken of Marken of Marken (who reigned to the training of Hindu temples destroyed for the purpose.	RAJSHAHYE fathe official list		The report cath Dubbot the first Muhammadan capital of Ran- gold vece carly meriphon of Kathar Shalt at one shrine.	A samples done to the touth, in fair preservation, there are number of Hindle carried philars and dones about a signs of Burdless appear in the single-bourhood.	Temple dishing from 1744 A.B., with controls brick and farms colff (original).	Finished in 1722) a herekiteide ing covered with terms-cotto.	The most complessed rain in the district, built of very dus- able brick I bugan and years ago.
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Principal Ancient and Architectural Building

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14 Tomb of Feries Khare, mean Excited in Akhar's time; very Hz.; done cleaned by Agree. 14 Hindra Temple at Bindras Exected in 1932-1615 A.D.; a Harmony and the control for the control form, near Matter. 15 Hindra Temple at Matter. 16 Hindra Matter. 17 Hindra Matter. 18 Hindra Matter.	A good specimen of early sective trensh contacty. Magal such tecture. Good specimes of the sectifica- tum of Stata Johans rithe.	Agony beautiful manushum Contain for boolemased Jahan-		A.D. (oug-off a leastful and fraction) is a bandon and monthly for a bandon and order and but a soloured tile down.	This mergur was built to your ago, I near it once stood as animal siront record to 1733. A.D., which, aim the fluiday was poled down for miniming impressments.	Rolle by Chique Nathit, Generator of Marris, effor A.D.; a central building with Sour Building with coloured the work, and coloured the work,
1a Zondo of Ferna Khani, narr Agres. 1a Honda Temple at Bondon- tani, sane Malten.	Klinto of Khonja Aithur Klinto, cent Diffacoltri, Autor Tomity of Sadth Klinto and Sadakit Klant, ment Sillian	den, Agra. 12. Alkhar's Tomb at Silonniru. 13. Fort at Agra.	To Fight	11. Tomb of Shab Abdul Rup- rack at Lingbans, Mataffer- nages, Esting.	To Meant in the old City of Kost, Algarit District.	15. Mesque of Nobil Sabile 16 the market place, Mutta.
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N.-W. P. and Oudh-contid.

Principal Anciene and Architectural Buildings, Crr.-contd.

Drawings et.	See Canning. Lift, Vol. 1, Short parent. NVI. Vol. 11, NVI. Vol. 11, Lind Vol. Vol. 11, Lind Vol. XXX to XXXI.)		00000		See Cuming-	See Committee home, Vol. XIII.	See Primary's Views in Se-	Views, and Frequence
Philographia		1	1	***************************************	Has been plicto- graphed.		-	Î	1
Restoration.	E	1				1	1		
Pro-realism	Sinual by connected to the Provincial Museum or to Cal-	Was partly distroy- ad by Assault by and repaired by the Raja jai Singh of Lapter.		Used to be repaired by Government he- toer the Metiny.	Kept in repair by the Mahaman of Bonarre.	Much rained and de- faced.	1	0	
Custody.	Her .	Warthy of cuitady.	i		1	Castody desirable .		to use by the Brak-	The same
General characterii	Time valuable sculpturers should be more accessible for langestion.	A rarred building of red mad- ation, built 320 years ago by Raja Blugman fran of Mat- lan.	Hull some to yours ago; and to he a very remarkable spec- men of modern demostra	A tumbome hulding, and to		Of Bahar's time	1	About 130 years old	A modern stone building
Class Name of tanking or group of	Scalptures, mently fluidible. In the Museum at Muttra.	Hb Temple of Hardcoff at Genera-	III: Zaminfar's House in Lab. II hows. mar. Shekohalmd, Mainpuri Dietrict.	th Jami Masid to Pilible, Be-	1b The Sament temps at Same- ugus, in the Seniers Dis-	Ha Chirida-Rosa et Agra.	of Maralabad. Ancient emulias at Indoe Kieva, Bulandshahr Di-	1b Temple of Valveshwar at Beaute.	1b Ghasla Ghat, Benarris
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Has been plus- lographed	4.	Į.	100	Photographed by Begins.	Ditte	1	Marin I	1	He from plus regression by Mr. Hegtar.	1.
	1	1	B,	The figures should by re- placed in the		ŧ		1	ı	1
Mas teen partially repained by the Alfalacted Mani-			ř	1		1	1	Any existing 114gs pounts should be removed to a Mu-	Wall worth processing the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of	1 20
in nor as a public.		Ī	Ĭ		1	1	1	î		lit, tuins, covered with jungle.
ta Khunri Hagh at Alfahabad . A garden with the tembs of in ner as a public Mas been partially Khunrich in mother and sister garden. Alfahaland Mani-choline Mani-choline	The aquate pillars, forming Tours gateways should be ob- tained from the Kaja of Bara for deposit in the Provincial Managam as and the Calcular.	Was removed by Dr. Blanda ji to Rumbay, and is now in joor semina of his hote. Should be resolvered for the North-World-	See of Budha's death	-	<	South & Darch-place	-	D: -	The one large tentific dates with or lith Cornery, A.Dr. and in general with panels of terra- ports, representing Benhamin- cal subjects.	Round city, with remains of its paint, covered fluidhest nematories, temples, with jungle- and, carthon compath, with
Kluura Hagh at Allahabad	Hinds carred states of the Guille, period in the Fort of Guillewin, 25 stilles much- west of Allahafond.	in Chiral of the Inde-Sythian potent furnerly at Notton.	Rains at Kommagaris, near Kasia, Gerabhpar Datrict.	Acets Celomost Rathis war Zumanish, Gharlpor Dis- rott.	Scenius of a Hiely truple at Differenger, Glamper Operior.	Rules at Rapile vestil mar	- 04	Fragment of a History or News near the Canagous Dutries	Mutargam, as miles muthod Covragore, Pargam Sarts, Schinger,	Sabet Mahat, to miles morth of Gondano to miles worth of Beltampar, desiration Savant. A the Coults of Haldborn.
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Some Principal Ancient and other Nation Assets

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	Custody Powersalism	DELLII DISTRICT—(See Appendix O page CXXXIV.) for the official land tenne of meildings are described. Injury to the the transity of fact of transmed. Section of the the transity of fact of transmed. In the little of transmed to the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the transmed of the tr	Castody describin . The ground has been principles and the free principle. Ditto . For variable, proceed to many comment of the principles of many comment of the pain.	Systematic matody Greens, has been confined to the been confined to the been confined to the been confined to the been confined to the been confined to the been confined to the been confined to the been confined to the been confined to the been confined to the been confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the confined to the conf
The particular and on	deneral character.	Historically of the high torred, being the most and most of the Mateon stangeses of India, is a about 12 miles from D.	Decembed in a beautiful and Castody desirable and singular way with resilianed machinesis files. Chiefly Pathan and Magal . Date	One of the forse buildings of Star Starb's time. Early restrainm of Magallarchic torture, 2559 A.D., in marble and andatone. A Multimeralize temb dingspated with beautiful out our. Taked with beautiful out our. blir scrom-work.
i mini	Chan. Name of buildings of group of	than Ruchus at the Auchal, near Defait (See Appendix O.)	Tank of Market Famili Kassandi in a beautiful mate Delin to the significant of the Mattade Same Same Same Same Same Same Same Sam	Klin-Kenn Marque in Pur- ana Kila, Lidai. Rumayasir Tensh near- Delai, Charatha & tomb 3 miles from Delhi; data 1000 A.D.
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Batrated in Forgassan's Architecture.	Note: Imperior	Ditto.		Plans said to be in the Military or the Military Scott and Con- green. Descrip-	Details of the structure would be interesting.			None	Nume	Nome
Ditto	None known	Djitto	4	Shopherd have photographs	Ditts			Noise	None	Name
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Slight vepalve	Recently art up (1823).		Reparts and im- perturbation com- summed.	Repairs have began and will be the roughly carried out.	1		re described.	DOSHIGHER TREAT	Dispitated is hand- some and should per be allowed to decay, further.	Dispidated, the touch descret fre- ouing from design
to custody of Ma-	Systematic centudy desirable.		Drawer	In clarge of the Military Wests De- partment, Beild- eige requiring re- part are made over to the Assent Mountains sub- division.	In see	CURCAON DISTRICT.	In the official list name of Smillings ure described.	Careedy desirate	The infathtants of Seines see it is a cattle-shed.	Not
th Torns Marristia Bellet, date. A lumutiful Mogol mongue still in custody, of Mn. Slight, ve paters, https://doi.org/10.1001/2001/10.0001/2001/2001/2001/200	(a Asolach Elling, on the edge A Buddhist Lat.; about you B.C.; Systematic centudy in the civil statem. Dellin.	A manque with tumber date	Morter at out of the Chardell In wise Gazate; A.D., 1919.	Builthy Shah Jahan. The Di- san Khus is righly commented with smaster on shake usus hid and a painted colling to effect for flaige, used as the State Mariet and King's Bath, are highly commental and fall of picture.	that in the beginning of the gre- mar oc and of the last contary; ring ally for the beauty and contained.	CT	An the efficient lie	Distillings known on the red and Controly desirable black dones; they are done rated with subjects and are reputed to have been both by Khamadas, date unknown.	A demed bedding of chosen- and shoe full by Kardi Kan, Klemmia, Marabida of the Expense, about too years ago.	A most pe and found in chammes and year at one of the torn) has a light creat folding creats, built by Nawah Alicenda Kham about 150 years ago.
Yami Marristin Delite; date	Asolah Filler, on the edge of the the color of the color station, Dellin,	Zing-al-Marjid	In Finishmen Manyid	14 Pallace for the First at Delite; 8 date about 10,85 A.D., Uses Appendix P. and Q.	In Jaim Temple in Delhi.			Ha Laland Kals Domes, sear the lifts at Soluta, sleop 1 cold from the base of Corpora-	Ha. Kutub Khan, in the Boundary of the town of Gargion.	Altered Moseut, 3 miles from the Tabell Gergaton.
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Punjab -contd.

Principal Ancient and Architectural Buildings, &c. -contd.

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		GURGAON DISTRICT —cands be Vest by inhabitants Good media of contody	Umd the worthly Good	Ditto	The task and for hathing 1 to in- formation about	Ched for worthing we followinglion in turnstody.	A fakir lives in the Pair shring; no other county known.	had fo	KARNAL DISTRICT: at his now 55 buildings are Sacred place of Mo- Good himmadant roots fromtation actorin- rody.
		GURGAON DISTRICT —cont. The old buildings are said to be Used by inhabitants; Good athors from Shah Alam. Index from Shah Alam.		in the		-		A modern building with col- Used for worship, aned deceration.	for the official list name 25 buildings are described, as, with a Sacred place of May Good state; the furnishing in the form is not my man flower of a furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care for furnishing as to care f
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	1	and the second	A LINE	numeral ra odd.	Hi.	Die ge	A DE LA	di Juni	N PORTA
	9	Gt be old buddings are said to be a thousand years, the monges dates from Shah Alam.	Hally by the Na wah of the places in the reign of Mulanman Shah, 163254 A.D.; decous- ted with carreings.	A building of changes and sime selfs attended ferscoon, about	The chittii is of chume and store, and is deserted with soliptime.	A building of chumon and stone with coloured decommon fould not years ago.	A manufaction of fort square, of above and chanton, with necessarily carefugs, built 175 years ago.	A modern buildin	fit the offs. I maroury enclosure, with subseque and foundant. The found itself is of manife with sunitareal decounting. It was not by Chyme-id-din, Emperor of a shir (1315 A.D.)
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ı	EA	Toola B	P. I	13	C) peo	á	New York	d	11
1	Paliding of	Horac			34	E-Mail	1	0.70	238
	Name of healthing or group of healthings.	III Solima Missyon, smar which are two-free and cold aprima.	Farnkhingar Newque, in the Town of Farnkhingar,	Hindu Temple at St Sal, its mine from Tabal Palwal.	Modern Task and Chalinale.	Mosque at Malab	Hb Mahamadan Shrios in me- mory of Allah Yar Khan in Erotpur,	Ht Jami Masjal, in the Town of Freeignt.	Trusk Road, called Durgal second and formatic, with a second and formatic. He keeper and formatic the Kelandar Saha, second and the formatic with smith the formatic with smith by Grynnesid-din, Empered of Child, in memory of a sakir (1915 A.D.)
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None,	Nome	N.	1	None.	None	None	N.	No.	Nome
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15 Mathammadan Temba in the Decembed with marble sculps Sacrad Mathammads Cond. city of Panipats. turners date 1325 A.D. turners on the Cond. turners date 1325 A.D. turners on the Cond.	× .	T	INSSAR DISTRICT. In the official list same to buildings are destribed yours old. Used the recently. Fare residential master		100		Not encupied; no information as to confidy,	Cled for morbigs, no differenties as to cartesty.	ROHTAK DISTRICE. Milham: Not Vieren - Good doorsjeel. Journales
acred Mutammad- an places to the ternation as to cutody.	B. Maria	1	HISSAR DISTRIC		Compand as a residence by the De-	No information as to custody.	for encupieds as to information as to confide	ned for morbig. no idlemation as to calledy.	TAK I
Sacrad M.	Not known		MISSIA Clinical Controls controls	Ditto	de la	No luforns outody.	Not one informat controlly.	E E E	ROH Not to
Apro	Der to	Time Oliv	A STATE	疆	inding stom :	Ŧ	E E	A buck building, erected age years ago by Me Pauli r II. is decorated with red, blue, and yellow tiles.	ROHTAK These are of wirm, Mulaim, Not burners makes in the specialists makes of the specialists ing has coloured forms (tillia i), about 250 years ofth
And Andrew	opportly a meaque and garden built by the Emperor Haber to communicate the victory over furthern Lodi (A.D. 1977).	H and	1 17	None Tourse	a old demnd brick for with coloured tile decom- mit to be 300 years old.	decorated with	About About	A THE	for the ages of theme. Multimements in such a manage built- ing has coloured frozenties (then f), about 250 years old.
13 SEEL	A Party	A STATE OF	44	類	を持ち		がなり		A COLUMN
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Securited with marfile turns; date 1325 A.D.	Formerly a meagum and garden built by the Emperor Haber to communicate the victory over furnism Lodi (A.D. 1977).	A maseury building of the time of Akhar; the expola is cov- aced with snamed.	In the office building 350 years old, decorated with solution of the	A brick building 345 years old a decorated with percental tiles.	An old downst brick building with coloured the documents and to be 300 years old.	A brief, gette, coloured tiles,	A beick building, decounted with tibe of various colours; build 500 years ago by Assad Khan, Puthan.	American South	11/1
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1	r mile from	É	1000	1		7	1	-	4
1	E .	AND THE PERSON NAMED IN	- 9	I o	1		HETE.	*	Jagar
dishammadan F oty of Pangat.		S Co	2	a to	Tomb new Hillery	1	Diment States at Tolkan	CTola	3
of to A	of the	8-B	New	1	4	Sept.	8 50	H Mod	2
MER	th Kabul Bart, Panipot.	Its Morey of Shalks Tyrk in- side the city of Kathal.	III b. Jami Masjid, in Hismary	Ho. Mesque, sear Hause in the		Ha Bard Derwan, gates of Hans		If h. Morgae in Tolians	II's. Seven tombs M
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Punjab -contd.

Principal Ancient and Architectural Buildings, &c-contd.

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Deswings or plant.	None		None			Nome	None	None	None	Nome
Photographs	None		None			By Lieut, Par- ker, Assistant Commissione, Umballa.	Dilte	Ditto	By Lieut, Par-	Unitally, Den.
Restoration.						1	Í	1		1
Preservation	South, North repaint,	E. vaire described.	-		, ,	Very guod	In Hills	In relies, part of the recurins are toler- ably perfact.	. In ruins ,	Ditto
Catady.	ROHTAK DISTRICT - pendel.	BIRSA DISTRICE. In the efficial list name a buildings are described.		Ī	UMBALLA DIVISION.	In the opposed that above to dustifingly are described, ing about Used by Muham- Very good a in famb of mandam for war- f an archi- ship; mode of one tody unknown.	Not in men; so cuse in reins . tody known sit.	Party inhabited		No runtody
General characters.	ROHTAK DISTRICTpend. Aurengab Alampia, shout not y Used for worship . Needs repains, years age.	In the effici	conside the A phenored bette building with Lined by Hindon colours of stransment, about 100 years old by repute,			mannery halfill yes A.D., we it hash think and or count it is made or	A solid massency building; 14000	Solit matering building in good appearance of Muhammadan av-	Solif stammy, date 1400 A.D.	Ha Old Mattammarian House at A circious muscury house with No mutody Durin, 3 miles from Jagada, enfoured decorations, bushs, 1 miles from Jagada, bush by Shish Jahan, 1 topo A.D.
Name of halding or group of	Hb / Alampir Mouque at Halli.		Hb Hindu Tumple outside the tawn of History	CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE		11th Mathammadan Tomb, cz milor A	Ha Jami Masjill at Thancar .	Cathway of the still Fort of Thursday, White muchle Tomb at	Thomour, Monute at Safowra, 25 miles mark-case of Unibalia.	Old Mutammarian House at Burts, 3 miles from Jagadin,
Chin	#		#			#	112	= 2	#	H

None.

Nane

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None known of a Roine grant of no bigins of land said to have been made over by Government for its

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· Unnocessey . | None

See Commer-Nam's Vol.

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None - I Imponible In the official list some 3 buildings are destribut. Hb Dhara Mandal at Pinjer, a Very ancient pull of stone . | Used by Hindm . | In order. Temple stranding in water.

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HILL STATES.

Newsgreat Hat.

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Hill Temples

LUDHIANA DISTRICT.

In the official list same of buildings are described.

Used for warship; no Good information as to

cratoily,

A plastered back building sets internot coloured decentation supposed to have been building the first of Alampie by Shaild Mutammad. Shaild afterwards bearing there.	A plastored brink Soliting min to have been erected to the time of Akbar,
The Mosque and Tomb at Lodhi - A phatered back building set interior coloured decentation supported to have been built in the time of Alampie by Shaildin Mutammad. Shaild afterwards bearing there.	Tomb : mie to the west of to have been erected to the the Cown of Tehanth.

VULLINDER DISTRICT.

mumtenance.

In the official list some 24 heilblings are described.

Used at a menging to information to endedly.	
A brick building built by Shallin Darwaish, who came foun Kahul in 1000 A.H.; a Da- than arracture.	Sarat, or Travellers' Read- A brick hubfung calebrated to Sense of Norwahaf. (See the broadfally carved gate. Appendix N.) Sur Johan, who of Jahanger, Built the wint in take or A.H.
Margid Shalish Darwash, at A brick building built by Shalish. Used as a mongo Tomb and Mosque in Bastl. Darwasial, who came from no information Shalish. Shalish. Hart structure.	la Sárati, or Trapplicat's Rest- lentes et Narmadult. (See Appendix N.)
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Nosie	Photograp drawing parmd 1
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per III tolerable order; b as but if not repaired regularly will soon give way.	The principal gate- esy has been re- paired by Mr. Has- ington, fraction Faginers.

Punjab -confd,

140		_			_					_		_	_
	Drawings or plant.		See Caming. bam's, Val. XIV, pluto XX	Links prepara-		None.	None.	Nome		Nortee.	No. Consist.	Neme.	None
	Photographu,		Non.	· ·		None	None + +	Name .	- Anna	Non	Shephord.	None	None .
	Rentoration			/		ŀ	ř	F.	1	Unimersary	Ditto, ,	Ditto	Dinto
	Preservation	CT.—contit.	Stepairs in progress under Mr. Harrag- ton.	Estimate has been prepared by Mr. Harington, Exercutive Engineer, for repairs.	T.		1	1		1	(MALLE)		İ
	Castody	JULLUNDER DISTRICE, COMM.			KANGRA DISTRICT. In the afficial list some 16g failillings are described.	Not stated ,	Ditto	Ditto	1	Not stated	Ditte	Ditta	Ditto
	Ganeral character.	1	Ta Coroles and two Tembe at Brick buildings decorated with Hadresweigh, close to Na- Arising and paintings; our Sodar. And James M. veries. And James J. 1633.	A Tailding of Shalt Johns's time. The gatter covered with beautiful the-work.	In the official	D. Temple at Talka Ulmlair Jone. A very famous temple, to which Not stated at a Mighl.	Very old and famous shrine	Temple delicated to Shibit in the centre of a thick wood,	An old and famous fort 2.	Farmers for bathing and were. Not stated	A. DeBug	Temple to the village of Phat-	Temple in the village of Cindii,
	Name of Guiding or group of berldings.		Garden and two Tembs at Hadirawalah, dane to Na- Kodar.	La Dukhin Saras, a miles from Nakodar.		Temple at Talka Uladair Jose-	Nandekaing Temple in the vil- Very old and famous shrinn. Inge of Judrangtal, Talka,	Kanja Mahadeo Temple in the village of Kannara, 7	Fort Kaugra	11 Minds Temples and Tanks in Kangra.	Wh Temple at Baljuath	III. Bankbandi Thakur	Hb Hertamia Dubi
	Open Characteristics		4	2	Į.	à.	5	73	<u>+</u>	TIP:	=	ģ	THE STREET

Nome.		Plans and de- tailed strong regressed in an prepared in an office—II. II.	Dime.	Ditto.	None	Nome		A per mark to the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con
None		Several photo- graphers have taken stown.	Several photo- graphs exist.	Has been plotte- graphed.	None	None		¥
Ditte			Sythe Siths. graphs with,	Ditto		Sy the Silve.		1
	T. s. erre described,			1	***	9	T.:	Regain fave been excepted.
Ditto	AR DIST	Used by the Skin primits.	la religions use	Religious institution	Used by travellers .	Appear, worthy of In rains .	TARORE DISTRICT. for the afficient time as buildings are described.	
Yemple in the villages of Manny Nation; a very fastomist temple. Temple in the village of Dear	very ancient. A In the official	A moredorn building (1765 A.D.) Used by the Sikh of earthle with a copyer gilt priests. About, constitues called the Gallen Perple Rewall are adversed with mink devices of figures and flowers.	A plantered brick building, with coloured decreations and the upper story covered with coppergit about judate 1660 A.D.	A brief and white some build- ing with coloured describing and gitt code; a lefty tower at built over the tomb.	A brick building strated on the Dorgium Tank 1 ton edoured decontions.	Thee trick buildings having coloured decentations and cancer the converted into villages.	for this afficient	This is a patroway leading to a garden which has been distroyed. The gate was built by Zohan Wasau, daughter of Akarage, is read, it is elicited disconated with comments then
11 h Raganthy		1h. Sith Temple and parced Lond or called Darbar Schill in the Team of American, (See Appendix M.)	16. Stilk Temple satisfied Adult Burn-	1 is Garden and Tomb called Bala Atal in Austinat.	Hindu Temple beyond the Uniquel Gate at American	Old impetial Series built on the Tells and Lahare read by the Emperor Jahangu.		Ha Chembert or Gatemy, 15 miles from Labore, on the Multan coud.
9 11		2	2	2	4	2		4

Principal Ancient and Architectural Buildings, &c.-contd.

por at			draw.		W. C.	P.C.	7	
Drawings and		None.	Detailed draw- tops from of from H.H.C., 85-45.	Nome,	Plan and dress tign in my di for - H.H.C. 67-72.	Detailed draw free in ney of free H.R.C.	Ditto.	None.
Photographs	3	Harbern photo- None, graphed.	Ditto	Ditto.	Diffe	Ditto .	Ditto	3
Restorations		1	Great damage done by the nutters who not the margue.	Ditto		i		quired. re- None
Proservation	could.		Bad	J. S. S. S. S. S. S. S. S. S. S. S. S. S.	Repairs about to	Repairs have com- menced.	Repairs about to	
Cuntody.	LAHORR DISTRICT - could,	in cantody	Conf. dy Muham- malina, repairs wegent.	Used by Muham- madam.	In Convermment case Repairs about to today.		In charge of the Municipality	Cuntofy seums de- sirable.
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Name of furting or group of	Tomb of Realth Street, one	ntle the Rodinal Gateway, Laberte,	18. Maryld Warre Klain, treat-	1b Badchahi Masjid senar the Forest Labore.	I's Fort at Zalare. One Appendix L.)	Tomb of Jahangie at Shike dave, 3 wiles from Labore, (See Appendix J.)	Shublimer Gerdens, 6 miles fram Labars. (See Appen- dix K.)	Ha Tomb at Mins Mir, in the sative village.
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JUJRANWALA DISTRICT.

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		Huan Minne, 3 miles west of A. Shekhupura, Tabuit Haliz-	7.4		-	Shrine of Muhammad Youat, a called Shah Garden, in Mul- tan, some the Bohar Gale,	Hindu Tompie culted Nac- singpart or Pablishuit in Mulean in the aid Fort,	
	_	1	2	4	1	4	119	-

Punjab - contd.

Principal Ancient and Architectural Buildings, Ort -contd.

	Drawings or plane	See Cuning ham's Reports, Vol. V. plates XXX Vill and	Norm.	ham's Reports, Vol. V. plate	XXXIX.		1	None.
	Photographs.	Has been photo- See graphed. Vo VO	Ditto -		Norse		- Name	Neper
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	Name of building or group of buildings.	A Domed Octagonal Mona- ment, called Ruhm-ad-din Alin, in the Oid Fort, Nultan.	Shope called Shab Shans Tables, about half a mile outside the north-sust corner of Mulan.	I'b Tomb of Bahawai Hale, in the Old Fort Maltan.	Temple, Shrim and Tank of Sura; Kund, 4 miles to the south of Multan,	burth of Russes Parist as Dall .	pattan, 27 miles from Mont-	Mosgue at Chiniot, half a H ralls from Tahal Chiniot, on the Grand Trank Road,
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	officer dereibed. good persons from sea repaire ed by the crit are therefore in 1607.	A mut-free holding of all blytan in ad- traction; the income in mad to amount to Re. 2,000, but is re- presented as being mardicient. to tend the pignins; less tately floor, repair- of by the priests.	ure duscribed.	STRICT.	re uniford.	Wants investigation
- English	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO I	A SEGUE EGGS	DISTRI	Mings on	RICT.	\$
Castody desirable	MUZAFFARGARH DISTRUT. Hit facts are the mix res building this for the many custody. In go, the facts of the form. Live the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of the facts of t	Control of the seculity of control of the seculity of the seculity of the seculity of the seculity of the seculity of the seculity of the seculity of the seculity of the seculity of the seculity of the seculity of the sec	DERA CHAZI KHAN DISTRICT. In the efficial his time a buildings, Sec., new described. Nothing very important.	In the efficial list some 9 finitelings are melicrel, appeared to the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the finite or the fi	In the uginal list a objects of interest are uniteed, the mound Castedy seems do: Non- the fuders of saudie. Equive of equipline	
1b. Touch of Harrat Shah, half a. A white and black marble build. A fair half yearly I. Fair addition Tabuil Chinist. Ing i the outer walls are paint—custody desirable. Ing i the interior is decorated with globular; the fame of a Faker. Hearst Shah Burban; he fame of a Faker. Hearst Shah Burban;	In the official A brick building with encoun- thes in green, black, yes and thus; build in 1650 K by Nawah Sultan Mahamu	A brack building with coloured shootstone; about 252 years old.	DERO In the efficial i	DEEN Tork at Umarkot max Khy. Built of mesonry; supposed to part. Duddhist.	II.a Mound at Roler Tabuil, Man. Debric of walls in the mound Castroly scenes des None series plat face by the fadous in straight. Series had bare by the fadous in straight. Common Bactrian scuttings at	were exavated and sent to the Latinos Nucleur. The transies of a Girco-Bac-tran elly.
Tomb of Herrat Shah, half a sale from Tabuil Chinici.	II a Tomb of Nawah Tahas Kom at Shuus on the Chanab, to- mine leere Masafingach.	Tomb of Abdul Wahab at Dark Die Pands, 45 mjest meth-wast of Meraffargarh.		Fort at Umarked mar Kly-	Mound at Robri Talmil, Man-	Ila Mondat Akta
2	#	4		1	THE STATE OF	=

Punjab-contd.

Principal Ancient and Architectural Buildings, Sec.-contd.

Drawings or plane,	Se. dribands Circl Reports XXV XXVIII None.	Nome	None:	See Report on Variatization Appendix L (Sisses), also
Photographs	Said to have been phate- graphed. Gateway by	None	None	
Restoration,			1	the amblewes that and removed
Prosession.	North rained	CT. Oc., are discribed, Nami	DISTRICT. offilings, Oc., are described. Muham- Goods, has basely been restored.	treet are mentioned.
Control	furthe official list some 34 buildings, Cr., are described, of a vyrge simple, sample, seems de Raine n. would be said cartin parts used Mostly rained as a rather-shed; over the gathering is a travellers room.	In the official lat come to buildings, dec., are described, or, prolife in None	122	PESHAWAR DISTRICT. In the official list name 13 elects of interest are monthoused upham identifies The fortune in the fortune in the contemporary in the fortune in the contemporary in the fortune in the inertine contemporary in the identity.
General characters.	A strace building last to: Kashini An inventigatis valuabile. An old Muhamu & Fine gateway.	Ha. Mung, 33 miles north-west of A very old place; prolific in None Governa, on the banks of Indo-Greek cours.	SHAIIPUR Je the official list wore 11.0 or the official list wore 11.0 covered with coloured decome unadam, listing, 100 years tild.	Ha Fertress at Kanigat on the Goocal Cuntuplan identities hill show the village of it with Ascent. The forteen-Navagerance, a sugar number of Build of the Sead police station. Ha Shahhaz Goriii near Marden. One of Assist's edict incorpolom, itself the city of astatics and contributed as the city of Sadatta.
Name of building or group of	He Temple at Mallot, 15 miles mettle-west of Pind Dadan Khan. He Fort at Rhotax, 11 miles north-west of Beltum.	Mung, 33 miles north-west of Gueratt, un the banks of the liberium.	II a Mouppe at Bhers	Retrees at Ranigat on the hill above the village of Namagricaons on alternorth of the Sound palice at attain. Shahhaz Garbi near Marian
Class	4 4	711	111	1 1

11 Northern of Reading Single stip of States critic of Base-callets and Authority of Reading States critic of Base-callets and subjects and subjects and subjects and subjects and subjects and subjects and subjects and subjects and subjects and subjects are subjected to Labore bear-calleds and subjects and subjects are subjected to Labore bear-calleds and subjects and subjects are subjected to Labore bear-calleds and subjects and subjects are subjected to Labore bear-calleds and subjects and subjects are subjected to Labore bear-calleds and subjects and subjects are subjected to the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of the subject of th							
Ship STATE SAME KOTLA STATE SAME KALSIA STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME KOTLA STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME STATE SAME SAME STATE SAME SAME STATE SAME SAME SAME STATE SAME SAME SAME SAME SAME SAME SAME SAME	Vol II, pages ingress; Ar- chandograss Kepera; and Vol V, plates its VN, and XIV of L, also Forgu- men. and Belless.	See Report on Yumbar, Ap- product, 1885- 85.					
Many sculptures re- moved to Lahore Many sculpture ex- moved and sem- states and sem- states and sem- states and sem- states and sem- there. SIND STATE. Sind seme or shilling are described. Sind seme or shilling are described. Sind seme or shilling are described. Sind seme or shilling are described. Sind seme or shilling are described. Sind seme or shilling are described. Sind seme or shilling are described. Sind seme or shilling are described. Sind sementers and constitute are described. Sind sementers and constitute are described. Sind sementers and constitute are described. Sind sementers and constitute are described. Sind sementers and constitute are described. Sind sementers and constitute are described. Sind sementers and constitute are described. Sind sementers and constitute are described. Sind sementers and constitute are described.	Manysmolphrite fave from pho- tographed. Scriptures have been photo- graphed.	Sculptures have heen photo- graphed.	1			t) ½	18
Many scalptores re- moved to Labore Measurm, Many scalptore ex- casaled and same stroyed or the Gry- talen, or the Gry- talen to the Gry- talen, or the Gry- talen, or the Gry- talen, or the Gry- talen, or the Gry- talen, or the Gry- talen, or the Gry- talen, or the Gry- talen, or the Gry- talen, or the Gry- talen, or highlings are described. String seme or highlings are described. String semendesir Said to be grood white. KARER KOTLA STATE. Food Grood KALER KOTLA STATE. Cood Grood KALER STATE. Nothing of importance.	and addealthording em wit heres of blands tots	e sambag	į	ŧ		1-1	
It a Rusing of Readflist city of Stree ratios of bas-cellets and suppares Table-Stree State; State; Stree ratios of bas-cellets and suppares Stree ratios with bas-cellets and suppares Mortal of Mardini Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of Street of St	Many sculptures re- notived to Labore Many sculpture ex- gazated and stime labor to the Cry- tal Palace, and des- stroyed in the fire there.	About 500 sculptures were excavated in the cold sensor of 1885-83.			sidding nations.	* 10	49
Takketo-Shian, switch the selections of base-click and anticheses of Marsine. Raine at Baddhat city of his scriptures, 50 B.C. to the anticheses of Marsine. It a Baddhat Tumple and Montas Sime rains with base-click and south of Marsine. It a Baddhat remains at Sanghat cross-to-mine the village scriptures, and your time the village scriptures. Stellind Stellind Temple of Sin Dart Bord at Akhar's time. It b Stellind Temple of Sin Dart Bord at Weep ancient Himm building. Since Appendix I and T. Akhar's time. It b Marsine of Shah Faat at About 1000 years old It b Market. It b Troob of Shahitt Sade Khan About 200 years old It b Akhar.				SIND STATE.	NABHA STATE	MALER KOTLA ST Control desirable . Ditto	Nothing of imports
Ha Knims of Readdlists city of Trackes-Rain; & miterior the archives-Rain; & miterior the archives-need of Marchin. Ha Raine of Rainfluid city of the north of Marchin. Ha Haddlinis Temple and Mentactory of Kharithai in Yanditza, and yanding tematic in Yanditza, and Yandilaye of Kharithai in Yanditza, and yandinis remains at Sanghao. (See Appendix Land T.) Haddlinis remains at Sanghao. (See Appendix Land T.) Sichind Haddlinis and Sich Buth Deel at Sanghao. (See Appendix Land T.) Haddlinis and Sich Buth Read at Sanghao. (See Appendix Land T.) And Marchine at Shalith. Safe (Khan at Maker.)	state rates of bas-cellels and scriptures, 50 B.C. to 13c A.D. Stone bas-cellelisand sculptures	Store measteries with scale-	Garden and Diwand-Kina of Akhar's time,	Ps. the official Very ancient Hindu holisting .	In the offi		
	Rutes of Raddist city of Table-Shai, 2 miles is the authority of Mardine to the Shain and Darkey of the south of Mardine.		1 1 10	Temple of Sire Lynn Devi at Sind, near the Western Junea Candi.		Merryan of Shah Fard at Mater. Troub of Shalith Saste Kham at Maker.	
	4 4 4	1 1	2	9		# #	

Principal Ancient and Architectural Buildings, Sec-contd.

100	0 - 1		To N	19		20	
Drawings or plane	None.	None.	Membused	-		Drawings or plans.	None.
Photographs,	None	North	Photographod .	Worthy of pho- tography.	hmit.	Photographs	Potographed . Nose:
Restocation,		1	İ		lings in Kas	Restoration	
Presentition.	VTE. gs are described. Ruimous condition.		they are described, Good	Good	hitectural Build	Preservation	terest are described.
Custady,	INTERPORTED STATE. In the official list same 64 buildings are described, or on what Castody probably Ruinous condition the fudue; deliverable.	A village is fault on the top to be out af the way of fleeds.	46C-118		Kashmir.	Custody,	In the efficial lists arms 38 objects of interest are described, har's time, 301 Castody desirable
General character.	A curiosaly-built tow were the basic of the counties of an arcount.	More fort is one of six built by Sal Sahari II, about doo A.D.; was taken by State Haman Arghan in 1935 A.D.	CHAMBA ST. In the official list some 8 to buildings with emittined Used by Hindus on the Ravi.	Highly opnamented with cave- Used by Hindus- tage in wood.	Kashmir. Some Principal Ancient and other Native Architectural Buildings in Kashmir.	General characters	In the efficiel lists arms 34 objects of its mans 34 objects of its miles north of Srimagar. years ago, the stone buildings desirable are rules.
Name of building to group of	11 b Pattas Munacia, an old tower 7 miles neith of Naushahra.	He Fort at Mow Mobarity of seiler went of Naminabra,	Hindu Temples at Chamba on the Ravi.	Hb Temple at Mingola in Ois- pur, 3 miles from Tellemath,	Some Pr	Class. Name of building or group of buildings.	marken at Manus Bal, to I
Clear	1	1	100	11.6		1	2

								-	_	-
None	Nemo	Aminor Balls Aminor Balls Age to Kon-	None	None	Nome,	See plane in Cole's Aurieur Buildings in Kashmir.	None 3 plans are wanted.	None; details would be walu- able.	Nome.	See Coming- ham and Per- grouper, See Color, See Color, See Kenkens, Per- Kenkens, Per-
		2	3			-	E2	e e	4	9
	Ditto .	Ditto :	Detro	Ditto	Ditte	Office.	Dillo-	Photographed	Not photograph-	Photographed
4		1	1	1	1	It would be pos- sible to remore this.	ł		1	Impenilde
Rains; preservation very desirable.	In this order 1 should be proserved.	Ditto	Ditto	Pair order	Fair order; should be apstematically preserved.	Ruinell, should be cleared of jungle and preserved.	Fair	Dispidated	Rained	Roins straid be Impresible
Ditto	Occupied by a fakir in our regular candoly to perment danage.	Used file Hindu sup- alting controlly de- smallie.	Cintedly desirable	Ditte	Ditte	Ditto	Is use by Muham-		Ditto	Canady wanted
Date from 853 to por AD-11 hardsome stone buildings with exulptured columns, 854, (see Asserted Residings to Azade- mir, H. H. Cale, 1859,)	An interesting Hindu temple of	A solid store building, with thirk walks and pyramidal roof; date about 120 BiC.	The tank is of stars and the Haradari of weed and brick, built to Akhar,	Ball by Shah Jahm, in brack and stone.	Built by the father-in-law of Shak Johan; a benefitsi gor- den, Baradari and Foutlain.	Beautiful Hindu temple in stem rabout 945 A.D.; stands in water.	As interesting wooden building	A large building with weeden Custody desirable pillare caved.	An interesting stem building .	Old cloisters and temples parity Cashody wanted buried; the stone carrings are growd; a most interesting rain; after Maritand the most important in Maritand;
1 b. Tomples at Patinn, 15 miles of markets of Schnight.	Temple at Bhaneyar, west of Branesis and of miles bu- your Namhabers.	High Temple on the Takts-in Bulleman Hill, called Joseb- terware.	1) Gardon and Baracher called Chapter and Shate, on the Dal Lake, sone Semigat-	Garden and Baradariat Shale- timur Buch on the Dal Lake, east of Scinagor.	199	Ha Temple at Pandrethan, 3 mics south-east of Stranger.	If b. Moupre of Shah Hamadaa in	-	II b. Hindu Tample at Pampur .	Avantipura Templas, 13 miles quells-can of Seimguer; date 855 to 904 A.D.
4	4	3	=	2	2	4	12	đ	=	2

Kashmir-contd.

Principal Ancient and Architectural Buildings, &r. -contd.

				-	22.00	4.00
Drawings or plant.	See Consings lam, Fergus ween, Colle, Vigne. None.	See Centrich ham and Colu	ney.	Drawings or plans.	See Country harm's dretters logical Reports, Vol. 11, pages 170, 276.	Sea Arribando Citad Reports, Vol. II, prope
Photographs	Photographed often. Photographed	Distro	jputana Age	Photographs,	Î	4
Restoration.	1. 1	ţ	is of the Ra	Restoration,		1
Preservation.	Require attending	No preservation, but should be Sopt Close of jungle wod pre- served by an endo- sure,	ency. igs in the limit	Preservation		1
Custody	Controly much re- quired. The Hindon takes care of the place; but it wasts come systematic entitled.	Custody desirable	Rajputana Agency.	Custody.	Custody denirable .	Distro
General character.	The funct example of the old Kashmirstyle of architecture, but in great rate. Solft by Jahangrey it a ment enrious place, full of according.	Old buildings of stone, dating from the commencement is the present contray pare much out of the way.	Rajputana Agency. Some Principal Ancient and Native Architectural Buildings in the limits of the Rajputana Agency.	General character.	The Chattyn Cave at Ultummar, About sor-Goo.A.D. 1 a rocks-not Gartoty desiration. Kotch Agency.	Th Challys Caves at Kholvi, Ko- Probably the secon modern tab Agency.
Name of building or group of buildings.	Temple at Marttand, 3 miles cast of Manushad.	IID Hindu Lempler at Wangar, about 25 miles from Science, 2567.	Some Principal As	Name of building or group of buildings.	Chaliya Cave at Dhummar, Kotah Agency.	Chailyat Caves at Kholvi, Ko- lah Agency.
1	1 6	É		d d	9 -	4

See Caming- hum's Reports. Vol. II, page 1971 also Per- person and Tool, Draw- lage wanted.	See Fergussen and Tod's Reg- orfloat, Done- ings wanted.			ı	ļ		10000	1		
		Photographed by Mr. Boglar.	1	Har been pho- tographed.	-	W.	Photographed by Mr. Beglar.	Mr. Beglar has photographed them.		
1	ı	ţ	1		-	1	Ī		i	
	The ornamental ma- sonry well worthy of preservation.	ī	Durbac willing to	Mr. Miles, the Executive E a - gioner, has pre-	pared rithmator.	The Duchar will re-	1	İ		De Dutine will undertake Tr- paire.
		П	-			140			4	7
Dilto	Ditto	ì	Kotah Durhar	Ditto	Detro	Jodhur Dubas	1	Ī	Meywar Durbar	Dime
14. Temple at Chaudisour, near 685 A.D.: has a beautifully laster. Paten, Halawar, carved 1004, Kotah Agency.	Erected before 750 A.D.; is situated not far from the lath of the fiver Chumbal, is now a descrated temple.	An open pilland building with	Several buildings of ancient data principally in rains 1 one is an lair confident.	One of the Temples called Kaku Deomic wall worth res- toration.	Palace and pavilion on the basits of a lake.	The buildings are neglected	<	Open three-shrine humple, a nitra- over such shrine. Flaborate carving of manners, One smaller truppe, with knowpers.	Constructed in 100s A.D. The loant to the parth is of mar- ble and very deconsists.	Constructed by Maharana. Jos Singli, and of savanteenth centary, in a miles long by a troods, and has a benutiful maybe dam.
Temple at Chandidoni near Jahrs, Paten, Jinkwer, Kotah Agency.	Temple at Barolfi, Solah Agreecy,	Neptial (fall at Bacelli in the Kotah Agency, Ralputana,	Accent Temples at Rangard, in the Kotab Agracy.	Ancient Town and Temples at Kishan Bilas in the Komb Agency.	Anciust Palace at Rangue in the Kotah Agency.	Centaphs of the Chiefs of Marwar at Mandon,	Temple at Mahanal, Rajput-	11 b Bijali, Rajputana	The Raj Samuel Lake, about 2x cules mett, of Ultahur city in Meryene, 3 miles by the miles.	The Jan Samand or Debur Lake, about to tillies south: and of Udaiper city, in Mayeas.
3	2	#	10	3	H.tr	=	H	11 9	42	2

Rajputana Agency -contd.

Principal Ancient and Architectural Buildings, Ore .- contd.

Drawingsor	plane	İ			Annual Control	See Perguent				ers fudfa.	See Commig- han's Reports, Vol. 11, page 1835	Crapia, platte Survey has been grapia, mark.
The same feet	racolly guide	1	Î		1	-	graphs.	Har been pho- tographed.	Ditto	į	Has been pho- tographed.	I have plotte- graples.
-	Samoration,	1		I	1			4	1	1	Has been pear fieldy restored by the Kasew tree Engineers, Maye Calleges,	VIIIIV
1	Ereminations	1		1	Tana a	ï	Well worthy of re-	Raine, and being damaged by vege- tation.	Require caroful co-			
r	T	U -	-	7	*		•	7		1		21
	Cuntody.	Meywar Durbar	Dillo	Dilto	Dilto		. Meyear Durbur	Ditto	Sight Durling	His been used as a quarry.	In embody	Repairs to one pa-
	General character-	Has a marrier dam	A column of Vectory, is said to have most in an island on the lake,	Has some interesting buildings	Erected by the Kana Chumba; has templus in it of interest;	Pine buildings		Alcot to feethigh, and adorned with scalpture from ministics to base; date about 850 A.D.	15		tury, An elaborate piece of from In-cintudy scaleture, originally the building was printed in your Jaim Tomple, converted 1411-30	y Jahimete .
	Name of building to proup of buildings.	The Udai Sagar, a take § units reat of Udaipur, at miles by it miles in Mey-	The Mandal take about 70 miles about 70 in Mayour.	Jaharpur Fort between Bunff and Maywar, in Maywar,	II b Kumalgurh Fort, in Maywar.	Hb Jan Temples in the Sadri Pass, in Meyeart.	11.b Nagda Temples mar Uda- Very claborate Jaina 1878 pur, Maywar-	Yains Tower of Sri Allat at Chitlers, in Meymer, Sen Appendix G.	15 Jaine Temples on Minut	He Semains of Jains Temples at Chardressilt, a few orders south at Moont Aba.	In Morgan at Afmer, culted the Arbar-discha-Thompra.	In Doctor Boged, dimir
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Histographs See Roussist, which which a value rate. There are sufficiently after Worthy of thanking.	See Furgueson. Has been sur- veyed for no pain.	See Ronnelle, pages 131 and 134. The San- per Cleant has been surveyed	See Remarked. Pages 425-44. Worthy of carried draw-	The Carolina		See Cuming- ham N, Vol. VI. plates XVIII to XXI.		-
History rap has world he value after	Har been photo- fraphed.	graphs photo-	Hurbeen photo- graphed.	1	1		1	
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-	Requires reputes	Worthy of preserva- tion.	Reguires preserva-		The Durhae is will- ing to see to their conservanty.	P	The Durbar is not in a position to find hards for repairs.	
	Custody desirable .	Worthy of custody ,	, Jahrer Dodger	1	Dilin	Ditto	Karaull Durbar	Ulwar During
Numberless temples and health- ings on the since of the lake exceeds by Monn Sings of Japan, Jovenie Null of Buard- pur, Blots Sing at Marwar, and Holbar's Lumons queen, Analys Rair a beneathed col- lection of Rajpetana wechine- taralistyles.	Emitted by Shambo Ram to Castady desirable , continuantale his victory over Mahmud of Malves in 432 A.D.	Raim in the Fort at Chiltore . Worthy of centudy ,	63	Store circles at Doom, July See Conningtum's Vol. VI, par State.	There are take to be fine car- vings in these.	A handsome building system by the nather of the Potvi Raja.	These are reported by the Karauly Political Agent as be- ing the principal measurements in the State.	Said to be the Tonds of Allayers. Ulwas Durings din Alam.
III) Temples on the shore of the Lake at Poshier.	Towar of Picture in the Fart at Children, and fort MgA, in Myraur, See Appendix At G.		Palace at Amber, the origin. Date about 1993 A.D. soil Capital of the Yogen-	Stone circles at Doom, Jui-	Palace of the Maharaja of Japan at Toda Kai Sing- lengthe at Toda Kai Sing- lengthe At Toda Kai Sing- lengthe State. Temples at Hangarth, Japan State.	Tample of Vitals Devi, audit- of Toda to Japte State.	The Mandrel Fort, the Ta- mangarh Port in Manishum Tebal. Bhanarene Fort in Ulger Tebal. Kaladhositus kurd in Buzzi Tahali, Ka- mali States.	Large Pathan Tenth at The lars, to miles corfilement of Ulear.
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Drawings or plans			Ī	See Kommulel's fudire and the Native Prin- ers, page 559,
Phintegraphic	Crapbell Crapbell			I have photo- graphs.
Restoration			1	
Pyrorration	Requires solute. The During will acceptable for their con-	Bundi The fire deep carry fage of the attention bear been white washing.	The Maharaj Rana is willing to take any successory steps for their repert.	Being restored by
Custody	1	Kots and Bundi Durbars.	Dholpore Durfar.	U-thy the Mata-
General characters	A suchery chattrie, with come in custody densitie architectural printing signs in beauty. Monuments reported to be of Ulwar Durbar lieures in Ulwar.	The greenst shrines were re- built during the reign of Mahanes Eaps Chattar Sal A.D. 65-50. A.B. 65-50. Mahamendoo vrayeration. Built A.B. 1537, and is hand- some.	Samiah Ao object of concertion in the Mulanamadans. Chan, one A hautementualing ade, sear Malk as 10.77 to a great extent cined.	th Ligard Falance at Uleigher, The interiors decorated with United the Make Being restored by Morace. (See Appendix markle and glass mosaics. In
Name of Fullding or group of	11) Temb of Rayah Bu Mueser at Clause. 12) Fatch Jung's Temb at Ulwas. Temple of Manuson and Muhamatin. Temple of Manuson and Muhamatin. Temple of Ma Kant above the alliage of Tehle. See parts, one of the need to receive the single places in the State. One of the Rayark pulsaces is of the New Control of the Rayark pulsaces is the State. In ordered with manuson another a covered with micror is of when the seed of the micror. Mosaics and curions freedom.	Temple of Kenberg Patenton Theory on the basis of the Chambal, Rundl State. Mongue and Temb at Bark at neither west of Diedports. Morque at Dholport.	The Tent of Shih dal cent Divipen Tout of Minsuil of Albay's Gen Diolepore. A carge of Palice shiefers Jodge by	west of Biodones. Ligard Palaire, in Udulper, Meyear. (See Appendix
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Drawings or		See Personen	ham's Vol. X, plate XI.	1973	Krew XIII	Sce Cumpy handy Vot. X. plates XXIII to XXX.	Soc Cumings hum's Vol., X, Clarks XVI to XIX.	See Clembry, ham's Vol. VII. plants: VIII to XII.	1
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I	Har been buffy re- paired to parts.	Jungla and over- growth requires ra-	movala		1	****	-	Portion of the end and may guid they been common by Court Cambridge have to the Cal- culta Mustern.
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The capital of the pillar consists of a due fixed, with a square abarns, buight at first, too A.D.	A very fine plet beautiful sculp- ture round towerwalls route and alleas most claborate.	A putitio and sanctum; roof and nittes in chargaite; handsome	-	An open paviling on a miled plinth; balastraded soute at the nider; an columns; roof perfect; carvings on plinth,	A very brindsome furifing; a portices in front of the water time; see and alters in good condition) are expense here done I benindern carred from roads the plints.	A Linguan shrine of Sion, A.D. year. Committee of gramages to two partitions in from or the supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed per- supermy share and seed		Liste of the rail symmetry II, C.
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	Prescritten	1	in comparatively good confiden-	Here Leep Heanof and repaired.	Har bern repaired and channel.	The palace has been opened out, closses at must espaired.	Some sculptures re- moved to Gendin by Major Writh.	Repairs respicted	Results commenced by the Maharaja of Dhar.	Information wanting	Dim
	Cantody	1	Castody dealeshie -		See Appendix P.		4	1	Custody derivable	faster	4
	General character.	The certainst plan of the senc- turn is volgor.	Oping about 100 A.D.; and Castody dealeable - In comparatively carried with great percentage and delines.	Philad about 1005 AD.; assered with slabs rate couly- bure.	is, in the Pert at Geniles; a pile of rein, latiest from the nath or 13th century.	Built by Man Single Co 200+3179.1 Rindia Palace i the outer wills pranomented in party with summerful of party	Very semertable from sculp-	-	stone wark.	A large block of halldings of the obtaining architectural charges	~
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See Roundet, page 374. See Cuming- han's Reports Vol. II, page 394.		Description of plans.	A surrey of the space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a space from a sp
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Name of Puffdom or process	hallings.	Contactable Temple at Bloca Chat, a substitute Jahalpus	Rathe of a Mahat at Garha, 3 selles from Jabatjur,	Keise at Karankel ocar Teras, in the Jahalpur District.	A meal Tumple and raise of Pathers at Romangar, in the Mandle District,	Some to be to Hermithand Temples at Comme, in the Sector Distance	Wardler Dis-	Paracal, in the Nagran	Complex and Semains of all lends of Soldings at Sam- ted, in the Nagpur District.	Temple at Armeni, Nagpur	Ha A fine Temple of Mahadiyas at Janger, in the Balaghan Opered. The district of Balaghan is	Building Temples, the en- mark besides of many of which are not known. At Bhissiat there is a Kattying on the ground.
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the Pair Sayd to be the facet temple in fact. That's the district.	Har as increption, mid to be dated oug A.D.	A determind fluidding:	Ar Incription is dated 239 A.D. (see Artistic Kenturches, Vol. XV.)	There are of great age and to- bered , known them some cave temples, Mc.	1	Supported by an animal enformment of Rs. 13,000 from the Nisan 4 Government. Curious Mosques dating respectively A. B. (48s and 155).	1	A fine example of the Gapta ayle of architecture.
11.4. Temple of Mahadaya at Pair in the Milayara District. Its. Counties manders of Tasks and Temples at Ratangur is the Halayawa Datrict.	A Tample of Borare Doo in the Blisspac District.	Roins of very old and interest- ing Templer at Maltar, in the Billingar Gisters. Great Temple of American- tals, Billingar Ditters.	Celebrated Temple of Rajira. Ledum at Sajim,	Architectural pumits at Unmulair in the Chants Dated.	Arr ancient and beautiful group of Personal Mer- attery at Markenda, in the Chanda District.	Faterous old Temple of Ram- chandra at Blasspariesland, in the Upper Carlovey Bla- trick. Bible Masjer and Jami Masjer at Burtampur.	Hernarkable Rains, at Bani- por Jural Patna State.	Gapta Temple at Tages, 2 miles morth of Hallsteinsal, Central Projects
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Central Provinces -contd.

Principal Ancient and Architectural Buildings, &cc-contd.

	Name of buildings or group of	Georal character.	Contrody	Persecration, Restoration, Photographs, Plan,	Restoration.	Photographs	Drawings or
3	Desgarh, in the Lalipur Dis- test, Central Pravinces.	Hb Decgark, in the Latispur Discount Temple, A.D., 600-7003 credit and pure of a spirit- of Kind, Central Provinces, of Kind, and kind,	- Company	Well worth persons-	ŧ.	Photograp had See Voll. X, Me- by Mr. Hogher, obester og rear Photography	See Volt. X, Acc.
2	It a Tomple of Brahma M Ductarii, Lastener District,	1	+	E S	1	1	A CANAL
1	Ha Chanders, old city and Port-		-	į	*****	1	See Vol. 11 derchessageica Reports, pages

Haiderabad.

Some Principal Ancient and other Native Architectural Buildings in the Nizam's Territory, Haidersbad.

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Class, Name of halfdings or group of	The Dravettan Tomple, the Kalles at Ellein. The Caves at Etlers, Aurengaliad District. The Challyn Caves at Elluin, Angaland District. The Challyn Caves at Alester.	Hb Jains Temple at Answah,
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Maisur -contd.

Principal and Ancient Architectural Buildings, Sec .- contd.

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Preservations	Were reputred	by Chine Sav-		4	1	THE PERSON NAMED IN	President Dut	inhed. chilecture.]		
it. Custody. Preservation, Resorvation	Said to be in charge of the Assistant Committee on ear,	Said to be in charge of Amildar of		Otto .	No information .	Burma.	Cuntody.	No official the yes permished. See Fergumen's Indian Architectures.		1
Centeral characte	Bullt by Viraditya Bellala in 1243 A.D.; very elaborata shrine, with carving in stone.	A double Chalulyan temple of great beauty and elaboration.		Covered with suppliers. the best clear of bellen	This image it 41 feet 3 inches No information light; date 1423 A.D.	Some Principal Anniant and other Notice Australiant to Differ	General character.	De min at Thetas lave been	described by St. Andrew, St. John, and he very extensive the principal pagoda instituted with the most claim-ato acute.	three i date probably before stall conting. Once was the religious capital of the haddhate in Herma up to ver A.D., and its rains re- quire townigation.
Ones. Name of building as group of buildings.	in Temple at Somnathoue	La Great Temple at Hullahid: communed about 1224 A.D.	In Traffe at Believ mear Hulla-	Garlabore Temple, called Kett Jennen, at Hallaber, created in the cals century.	If b Cobesil Jain Staton at Nav-	Some	Name of hailding or a	In Pagels at Thaten, about 40	union north of Marratan.	16 Ruins and Remains at Prome,
Change	4	4	4	3	100		Chan	#		4

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11	See Cofonel Yakes Marker to Ava.	See Colonel System See heary to Am.		Drivings or plane.	See drawings in the Hotgans	Dies,	Ditto.
Has been photographed, Ditto	1			Photographs	-	Have been glas- tographed	Office
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Bien	1	-	Nipal. Some Ancient Buildings in Nipal.	Cuitôdy,	Used for worthin	1	
The original papers is said by frame tradition to data from Ruddha. If was last repaired in 80%. The principal pagests in Naulman, foundation 18 % A.D. These are very extension and Calcorn Valle sestimates that the traced. The throughes may be traced. The throughes may be traced. The throughes may be traced. The throughes of Grandpalen, 1000 A.D., a cick, and becaufful in details the buildings are always, of brink covered with	The Kengmada Dagoba is not far from 1920. A Lit, in form it researchies the Sanctiv (1990) lawing precisely the name backers, and plaster instead of sense and plaster instead of sense and shorter gateways. The Shormada Dagoba at Fagus and Shormada Dagoba at Fagus and Shormada Dagoba at Fagus and Shormada Dagoba at Fagus and Shormada Dagoba. The Shormada Dagoba at Fagus and Shormada Dagoba. The Shormada Dagoba at Fagus and Shormada Dagoba.	Are all of worst, and most of them many-storiot, the tim templas in Negal (see Fergus- con).	Some An	General character.	Carious ple of fusidings the Chaiya is of an irregular form, with a very exaggranted	Carrier buildings, worthy of preservation.	It is five stocker in height, and very Chinese in character.
Page of Page of	*	IIb Burmes Maintening,		Name of building or group of haddings.	Buddhist Temple of Swayam-	1 b Hindu Tompley to Mahatan and Krishma at Partan,	ft. Historica. Temple at I
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Ancient Buildings in Assam.

	MEDIUM III.		A pharita been made by the Road Oversey at Darrang.	T.	1		1
	Phintographic		of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the		1	4	
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	Greenl chanten.	Exported to be works of art	The ride is said to be at large size, and enved stones bying shout.	Some numerical to pillace are de- scribed as being to the Fort.	The curvings are mid to have an ancested to programme.		- melekanian
	Name of heliding or group of	Temples at Silvagare, James got and Cameragare, in the Silvagare District.	Tough on the Behrman Par- bat, in the Darrang District.	Rains of Dimagne, the rapital at the Kachari Kings of Up- per Assent in the Naga Hills.	A collection of carried status and stems at the Kartaru, Verpur, Darrang District.	The Dopurty Craumiestonic of Carriers withers at an old Complete at Tameroon in the out-fellowing of Numerical at the Eachart compound at Tamer Tamer at the tentile at Singer Hill repeated by the Bhattan, who also wouldn't the Hajo-Tengie in Kamerop.	Mr. McCabe, Denny Com- missioner of the Naga Hills discovered some stone for ver- nera a brick chalinits, near Departs in the Nambur forces (one of Dongs and the other of Mahadery).
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Madras Presidency.

Some Principal Ancient and other Native Architectural Buildings in the Madras Preside

	Drawings or plane		See Tree and Seepent Wes- raly, by Per-	See Perputson Column Mar- kennie.	See Forgunous, and Ram Raz's	Section .	Sec. Forgrandal.	Ne Freeman Ditale small	Details would be estimation.	Sen Ferguison.
s Liesidency.	Photographs.		Sec. Proc and Serpent Hon- skip, by Eur-	Photographed by De Hunter, Captain Lynn,	1		Has been pho- Sec Forgunos, tographed,	Have been pho- tographed.	His last plos Detail would be tographed: ralishie.	1
aluan mania	Restoration.	230	1		ı	1	-		1	1
T commune and	Presorvatina	tal list peralshot in a	Some regular hara	Preservation has been immerated; a good tent re- native to be done.	Meson			E.	Mr. Black, Andreaded Expenses, and most Expenses, and described they and described they and	Hare been restored and eleared,
Paramater A. Carlo	Custody.	Some 82 remation were noted in an official list premished in 1870.	Cart by terrett.	Certady desirable, (Permanent watcher or engineered in 1870.)	1			4		
THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF THE MANUEL CONTROL OF	General character.	Some Exrenain	with incide & interest. Setting about goes and you A.D. Court by decirable. Some reponent house with incide & interest.	Traples of Disadding architec- ture, along the 6th century; cot in the rock	A trumber of temples and abriess enclosed in a court opoliest by you that.	Graups of templer as pictor- exque and good as any che- where in the Madne Perm demy-	Has a fine perch, date about 1730. A.D.s. with handsome	Correct with the most stabinates aculpture.	A remarkable role of the Drawi- dian style creeked sympa- A.D., carred in grantin.	A flow prech; date about 1455 A.D., in the Volton Port; was securpted as a store.
Name of herbitan or transfer	Paliding.		United Tops at American Will, methe Kithm District,	Themselving throots of Makes sulfaments near Medical to Chargingal.	Denvilae Temple at Times- lar, in Chaptegot, ye min- west in Malen.	4th Dromistan Tought at Garden wagen in Chingsopal.	The Temple at Penie In Comba- torn.	Two Gripmes of a deserted Temple at Torontry on the tentes of the Rour Formany, Duranter Bellay,	Temple of Vitale at Minge- na primite Tingadaden, Bellasy District,	In Temple at Volum, North
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Madras Presidency -contd.

Principal Ancient and Architectural Bulldings, Se., -conti.

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Branings m plans.	Nomi known			See Formson Details would be valuable.	Details would be valuable.	Details wanted.	1	Drawings have been a proposed in my office.	See Forgusson Dende warst Mr. Chidolm at Madne has deavings.
Photographs	None linero.		Has been photo- graphed.	Haz been pho- tographed.	Dillin.	Ditte	Frequently pho- tographed.	1	Has been photo-graphed.
Remedien	1		1	***	Ī	#	4	1	1
President	In 1872, the sum of Re, 2,000 ma, pre- yided for repairs.	In 1833 a rough esti- mate was tramed for its repair.	Preservation desir- able.	In charge of the Princes of Tan-	·	1	Projects for repairs	Ditto	Repairs in progress size 1966, The Falson is bring converted into dis-
Caltridy,	THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S	Mary Control	-	1	(Make)	1	Uned for merced pure Projects for repairs primes a great re- sort of plagrima.	farmer is a	10000
General character,	Changester is a denoted forth- field aby a there are several intercelling ratios to the forth among them the Rajah's pa-	Resultation and matrice gate- way distributed by a roun, and to there bein und by Close at the time of the de- lease of Arcet.	A large enclasare of defines and temples, daring from 14th to the 12th eraturies.	Called the Great Pagedu; thite aimst the 14th century.	Date about 19th century;	A richly presented piece of Dravides architecture.	45	Herita y art	Daring from 1622-45 A.D.
Mann of halding or group of	Rajah Mahal, or Rajah's Pu- lace of Charafragiri, in North Arcot-	Its Delti Darwas at Arest	1h Temple at Chillemburum, in South Areat.	1h Dravidias Pag-cla at Taujon	1b. Drawidian Templa of Soulris-	Goparam or Porch at Comba- donum, in the Tanjore Dis- trict.	Dravillias Temple of Sriven- gam, none Trichinguly.	Great Temple at Madure. (See Appendix U.)	Prinal Nayakia's Palace of Daing from 1622-45 A.D. Mattira.
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Drawings in my Office //. II.	1	See Pergussen.		Deawings or		Photo graphs		See Butgem.	1	See Perposens.	See Deniell, Development
		1	Presidency.	Photographic	l.	0		Has been photo- See Sutgess.	#	Has been plantes. See Forganism, graphed.	1
	i	-1.	the Bombay	Renkommien	Tre enamerated.		f	i	1	1	1
N mench	hand.	Preservition desirable.	ency.	Preservation.	to plann of interprit a	Some remedicts have been suggested for the som	Should be railed in .	Stone mass has been recordly degreed.		· Fair · ·	1
1.	1	1	Bombay Presidency. Native Architectural Buil	Custody.	E sums SEpt to coden	1	-	lis charge of East Stone ward has been called Ember Enteren. Presently desared.	Custody desirable	tites	Controls, desirable, Repaire in pre-
O Describing Temple of Ed. His more beautiful corridors with regions in the Island. In date of the Islalling to of Paument in Addition from the sale to the 18th (See Appendix X.) conday.	in the 1A small rained pageoin with form for stone carvings and freedo paintings.	553	Ancient and other	General character.	In an official list formated by Me. Bargess in 1825 some 250 places of interest are enumerated.	These are metty counters and monacon buildings.	Several calculate Building relice	Dates from the middle of the eighth contexts autism Him- th souphares.	A call-of Boddhin temple;	A melecut Buddhist temple, showt 123 R.c.s with scriptum and expirate	Dating about 560 A.D., control of the coupleties have been made and seat hims a though small, it is notify surved.
Destributes Temple of Re- sections on the Island of Passenber 1et Madara. (See Appendix X.)	Pageola at Sampuil, Coddingen Dunner,	fb. Temple at Denovelly	Some Principal	Class Name of hallings or proup of		National remain at Re-		Care at Mephania, thunber	In Chattys at Kemberl on the balant of Schotter Rambay.	14 Chira Cov at Nasis, Burn-	La Trough culted deadersons, transless.
9	4	2		Class			2	1	ij.	2	2

Bombay Presidency -contd.

Principal Aucient and Architectural Baildings, Sec .- contd.

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Photographs		Has been photo- See Ferguson graphed.	Ditto	Ditte	1	1	Has been photo- graphed.	Ditto:	Other	There .	Ditto .
Restoration	1			1	1	1					Repairs re-
Perservation	1	I			1	ì	1				Report Law been going
Custody		Repairs to hand	to charge of Engineer, the Pages	Costody desirable .	The thoras is to pro- current being design- ed on the head- markers of the Xadadigi District.		Mary Beech				
General character.	A Hindu vock-cut temple of plate design.	A handsmedy rock-cut temple; Repairs to hand 78 45.	A colecus tumple with sculps 4a charge of Eagment, turned captula. Engineer, Phone District,	A cave tumple dating before the Christian en Joroed out of the rook J no soulpture.	(strown)	typesides A.D., a very slades	moodo A.D.; remachable for simple grandour and construc- tive faddoms.	Alout 1417 A.D., 1 it fine build-	Very fine building; Saracenic in #310.	1945-51 A.D. 1 fine building 1 Sementic in style.	Built in 1400 A.D.; Strucumic in style.
Name at building or group of	III Saira Femple at Peona,	Castly Cop at Kerll in the Blane that,	Ca Chattyn Care at Bedra, 11 rolles frost Karli, la dis Discre Chat	Chalty Cow at Hags, in the Bloom Chat.	From Margist at Physics, in the Kalangs Californate.	1a Treed of thrashes at Reference.	Tomb of Mahmud at 1930- gers, in the National Collec- towns,	In June Marild at Almola-	Jacob Messie at Miras-	To Tember and Memory or Sir-	la Tomb of Kurndud-Alien, Butten, nore Abmedichad.
Chain	Ē.	2	ā	4	4	1	4	2	4	4	2

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- Fergusson.				ŀ		See Hope's As-		See Bargess.	Diffe	See Baryes	Nome.		See Mr. Hopers built on Sarah & Brown.
Ditto.	Ditto.	Ditto .	Ditto.	1	Î	Had been uthorn- graphed.	Ditto.	9	N	1	None	Har been phido-	Name
1,478					*****	1		1			-		
,4000,				-	Much out of repair		Apparently law .		721111	Runed	Harbern injured in		is falling into a silla- ridazioni constinuo. Espairo martesia.
				Same?	Information wanted Much out of repair	Custody desirable .	連		A fee priests sleep in the temples and				Chord or a travellen. quarter by Muhane. polytical condition. madin mensilents. Reputs warted.
Fin Tonk of Synd Comme, Adv. Bull about 1450 A.D. by Male- medicinal, mind Beginna, Saracomic lin- style.	Abent 14% A.D., Samoune in	Saracenie in style	Ditto :	Beautiful apectures of window trainery in this building.	Emeted in 1315 A.D.	ber art very wooden rection, although in the interior columns i the most dishousts	A bandaces carved atom pillar	Amongst Gless in the Identitie Scondaff temple,	Numbers of temples and shrines; mme as each as the elements century and on late as the tree-	Very chilorate, Jain temple	Halt by Mothemmed Shaft in In met ment	A standers building.	Probably built theory. A knowed Shall y built of vity or with during and it a fire specimen of a practy freeque, contrasted out of the undersials of over- thrown Pirals temples.
Peak of Spad Comme, Advantaged	In Tend of Mahmud Beyords, name Assent, demodrated.	La Morgan of Wolante Kham,	ta File Rant Sipri Mespat, Abmedaladi,	Consecuted Money to the France of Absorbables (Disables)	James Manjist at Cambay, Hombay,	Ob Joint Temple, as Melhalis in Kamara, Bontay.	Ha Juin Standba or Pillae at Gurmandorry in Kanara.	th Jaim Temples at Girary man Pittan Semnath, Kathalwar.	Jain Temples at the exceed city of Saturniya, man Pali-	11th Nathkin Tottiple at Gentli, Kathlawar.	Guerrat.	H b Tomb of the Name of June-	If a Jami Mayal at Broach
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Bombay Presidency - concld.

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Appendix B.

List of some Historical British Monuments and Memorials worthy of preservation on account of their public interest.

(Revised.)

Bengal.

The Ochterlony Monument on the Calcutta maidan; built in 1825 in honour of Sir David Ochterlony. The column is of plastered brick.

2. Pedestrian statue of Lord William Cavendish Bentinck, Governor General; erected in 1835 in front of the Calcutta Town Hall; bronze.

3. Pedestrian statue of George, Earl of Auckland, Governor General; erected in 1848, inside the Eden Gardens, Calcutta; bronze.

4. Pedestrian statue of Sir William Peel, Calcutta; white marble.

- 5. Equestrian statue of Henry, Viscount Hardinge, on the Calcutta maidan : bronze.
- 6. Equestrian statue of Sir James Outram (by Foley, 1874), Calcutta; bronze.
- Statue of the Marquess of Hastings (in the Dalhousie Institute), Calcutta.
 Statue of Lord Lawrence, Calcutta.

9. Statue of Lord Mayo, Calcutta.

10. Pedestrian statue of Thomas George, Earl of Northbrook, by Bodim, in front of High Court, Calcutta; erected 1878; bronze.

11. Lady Canning's tomb in St. Paul's Cathedral, Calcutta.

- 12. Statue of Bishop Heber, by Chantry, in St. Paul's Cathedral, Calcutta. 13. Monument to Earl Elgin in St. Paul's Cathedral, Calcutta, by Gilbert Scott.
- 14. Pedestrian statue of the Marquess of Wellesley in Government House, Calcutta, by Bacon; marble.

15. Equestrian statue of Charles John, Earl Canning, by Foley; erected 1877 on the Calcutta maidan; bronze.

16. Pedestrian statue of Warren Hastings, by Westmacott, in the Calcutta Town Hall; white marble.

17. Equestrian statue of Lord Napier, facing Prinsep's Ghat, Calcutta.

18, Lady Canning's tomb in Barrackpore Park.

19. Cenotaph in Barrackpore Park, erected by the Earl Minto, containing the following mural tablets: to the memory of officers who fell at the conquest of Java, 1810-12; also to the memory of officers who fell at the conquest of the life of France, 1810; and to the memory of the officers who fell at Maharajpore, 1847.

20. Cenotaph close to the Judge's kutcherry at Bankipore, erected in memory of Major Knox, who in 1760 relieved Patna when besieged by the

Emperor Shah Alum.

21. Tall stone shaft m Patna City, erected in memory of 48 servants of the East India Company and 100 European soldiers massacred by Mir Kassim Ali, Subadar of Bengal, when the British were marching to the rescue of their countrymen in Patna in 1763. Among the victims were Mr. Ellis (Resident of Patna) and Mesars. Hay and Lushington (Members of Council).

22. Two monuments at Bhagalpur to the memory of Mr. Augustus Cleveland. Collector of Bhagalpur; one of brick, erected by the district landholders, and the second of stone, sent out by the Court of Directors

from England.

Bengal-contd.

23. A small cross in the disused burial-ground enclosed in the Bhagalours race-course, erected to the memory of officers and men of Her Majesty's ard Buffs, interred in 1828.

24. Monument at Chattra to commemorate some soldiers who fell in combat

with mutineers, 1857 (Hazaribagh District).

25. A tomb at Arrah to the memory of soldiers of Her Majesty's 35th Regiment who fell in the Shahabad District on the 23rd April 1858.

26. Three monuments on the west and three monuments on the north side of Khurdah to the memory of officers and men who fell during the Khurdah rebellion (Puri District, Orissa).

27. Tomb of Mrs. Mary Hastings (wife of Warren Hastings) and her child

in the old cemetery of Cossim Bazar (Marshidabad District).

North-Western Provinces.

28. Monument at Aligarh to the memory of officers and men who tell at the taking of Aligarh in 1803.

20. Tomb at Aligarh of Major Robert Nairn, oth Bengal Cavalry, who fell

at the siege of Kutchowra in 1803.

30. Monument at Aligarh to the memory of officers and men who Iell during the Mutiny, 1857.

31. Tomb of General Gillespie at Dehra Dun.

32. Two memorial pillars erected to the memory of the officers who fell at

the storming of the Kalinga Fort in 1814, Dohra Dun.

33. Monument at Fatchgunj near Bareilly to the memory of the officers and men who fell near Fatehguni against the Rohillas in 1794, also Tomb of Hafiz Rahmat Khan, leader of the Robillas, built by the Governor in Council.

34. Tomb of the late Mr. Thomason, Lieutenant-Governor, North-Western

Provinces, in the Churchyard of Christ Church, Bareilly.

35. Four masonry Lions on the Ganges Canal at Rurki. 30. Tomb of General Fraser in the Muttra cemetery.

37. Tomb of Lieut. Burlton near the site of the old cemetery at Bulandshahr,

38. Tomb of Lieut. Home in the Bulandshahr cemetery.

39. The memorial cross in memory of those who were murdered in the Mutiny at Shahjahanpur.

40. Tomb over the graves of Captain A Giffard and Volunteer Trooper A. Curran in the village of Mainmamaha, at Basti.

41. Tomb of Mr. E. F. Venables in the old cemetery at Azimgarh.

42. Tomb of Captain H. H. Jones in the Public Gardens at Azimgarh.

43. A monument at Hallia in Tappa Uprandh in memory of those who fell in the battle of Beharrah Churri, A.D. 1811, Mirzapur District.

44. Two graves of Indigo planters, close to Gopigani, on the grand trunk road, Mirrapur District.

45. Tomb erected to the memory of some British officers killed during the Mutiny at Fatchpur.

46. Tomb to the memory of Colonel Thomas Sydney Powell, Colonel of the 53rd Regiment, at Fatchpur.

47. Monument erected to the memory of the officers and men of General Whitlock's force who fell during the Mutiny, at Banda.

48. A memorial stone in the Alfred Park to the memory of Quarter Master Sergeant R. Watkins, murdered by the mutineers, Allahabad.

North-Western Provinces-contd.

40. A stone in the Kydganj cemetery, beneath which were laid the remains. of 7 officers of the 6th Native Infantry who were murdered during the Mutiny, Allahabad.

50. A monument in memory of Major Penkney, late Commissioner of Jhansi.

51. Tomb of Lieutenant-Governor the Honourable John Russel Colvin at the Palace of Agra-

52. At Governmen a massive monolith hearing an inscription setting forth that Colonel Seymour, C.B., will punish any soldier who shoots game in the neighbourhood.

53. Momument at Aligarh to the memory of Ensign Marsh and others killed

on the Agra and Aligarh road in 1857.

54 Tombs at Shewalaghat, Benares, of 3 British officers who were killed in the disturbance of Rajah Cheyt Singh.

35. Memorial cross at Fatehgarh in memory of those who fell during the

Mutiny, 1857.

56. Tomb in Cawapore Memorial Church compound erected to the memory of Major Vibart and 70 officers and men who escaped from the massacre at Cawnpore in June 1857 and were captured and murdered at Sheoraipir.

57. Tomb near the Campore Church erected by the Memorial Church Committee over the remains of those that were first killed in the en-

trenchment in June 1857.

s8. Well in the Memorial Church compound covered with a stone and inncription

50. Large stone cross at the barracks, Cawapore, erected over the well in which those that lost their lives in the entrenchment were buried in 1857.

60. Statue (by Marochetti) and enclosure over the well in the Memorial Gardens, Cawapore.

61. Memorial at Azamgarh erected to the memory of the officers and men who were killed at the battle of Azamgarh.

62: Mausoleum of Lord Cornwallia at Ghazipur by Flaxman.

63. Monuments at Jhansi in memory of those killed in the Mutiny, 1857.

63a Roman Catholic burial ground at Agra.

Oudh.

64. The space in front of the Tarawali Kothi, where two parties of Europeans were murdered in 1857; a memorial has been put up to commemorate these massacres, almost on the spot where they accurred.

65. On left of " (hisanganj" Road, about I mile from "Dilkiisha," and on this side of bridge, over " Pangri " Nullah-Lieutenant Percy

C Smith, 97th Regiment.

66. About fifty yards on left flank of " Dilkesha" in an enclosure, Major the Honourable Barrington R. Pellew and Ensign L. E. Cooper,

and Battalion, Rifle Brigade.

67. In rear of the General's bouse, Captain Charles William McDonald, 93rd Highlanders; Lieutenant Lowick Emilius Cooper, and Hattalion, Riffe Brigade; Lieutenant Charles Warden Sergison, 68. In the "Belatibugh," Captain H. Hutchinson, 9th Royal Lancers;

Sergeant S. Newman, oth Royal Lancers; and Mr. Henry B.

Garvey, Acting Mate, Her Majesty's S.S. Shannon.

archnow.

Oudh-contd.

69. In rear of the right flank of "La Martinière"—Captain W. S. R. Hodson, of Hodson's Horse; Captain L. D'Acosta, 56th Native Infantry.

 Under a tree on the left of the road going from "La Martinière" to "Wingfield Park Bridge"—Lieutenant Augustus Otway Mayne,

Bengal Artillery.

71. About fifty yards on the left of "Secundrabagh "-Lieutenant Francis

Dobbs, and 5 privates of 1st Madras Fusiliers.

 Off the road between "Mushidzadi's Tomb" and the Kaiserbagh— Captain T. Clarke, R.E., Lieutenant E. P. Brownlow, R.E., Corporal F. Morgan, Lance-Corporal J. Davies, and 12 Sappers.

 At "Secunderbagh" Bridge on the left bank of "Gumti"—Lieutenant W. R. Moorsom, 52nd Light Infantry, Deputy Assistant

Quarter Master General, 1st Division.

74. About 21 miles on and close to the left of " Fyzabad" road-Captain

W. F. Thynne, and Battalion, Rifle Brigade.

 About 150 yards off the right of the "Fyzahad" road, at 50 yards beyond the bridge over the "Gokral" Nullah—Charles Sandford,

late Captain of the 3rd Bengal Light Cavalry.

76. Old cantonment cemetery, 3 miles on the "Sitapur" road to the right—Lieutenant F. G. MacDonald, Adjutant, 2nd Punjab Cavalry; Lieutenant H. G. Richards, 3rd Battalion, Rifle Brigade; and Lieutenant Robert Daly Synge, 90th Light Infantry.

 About 50 yards to the right of the "Sitapar" road at the 4th milestone, the 40th Regiment, Cholera Graveyard—Private W. Aston,

45th Regiment.

78. At the "Musabagh"-Captain T. Wale, 1st Sikh Irregular Cavalry.

About i mile off the "Malliabad" road between it and "Môsabagh"
 —Major John Griffiths Price, 2nd Dragoon Guards (Queen's Bays).

 The 97th Regiment Graveyard on the river road, 1 mile from the Fort, Ramaki Darwaza—Sergeant W. Smith and Sergeant G. Smith, 97th Regiment, Assistant Surgeon W. Dumbreck, 97th Regiment.

8r. Steeple monument on the top of "Harratganj" near "Kalserhagh"
—Sir Mountstuart Jackson, Bart, Captain Patrick Orr, Lieutenant G. J. H. Burns, 1st Bombay European Fusiliers, Sergeant-Major Morton; on other side G. P. Carew, Esq., Mr. Greene, Miss Jackson, and others, victims of 1857.

 In the "Alambagh"—Major T. Perrin, Lieutenant N. G. J. J. Nunn, and M. Preston, 90th Light Infantry; Lieutenant Dundas W. Gordon, Bengal Artillery; Henry Ayton, 84th Regiment;

Major-General Sir H. Havelock.

83. Tomb about 34 miles off the left side of the "Sitapur" road between the 7th and 8th milestones.

84. Old "Marriagon" Cemetery and Roman Catholic Cemetery in rear of the "Passant" (Revenue or Customs) "Kalserbagh."

85. Two tomb-looking enclosures—one close to the right side of the "Sitapar road," about the 8th milestone, nearly opposite the Travellers Bungalow; the other on the Artillery side of the road.

running between their lines and the Lancers. 86. Lawrence's tomb—Residency.

87. Cross to those who fell in the defence-Residency.

88. Memorial to the faithful sepoys of the Bailey Guard, outside the

89. The "Sher Darwara," where Neill fell.

90. Tomb of Mr. Ravenscroft, murdered at Bhinga, Oudh, 1823.

91. Tomb of the Honourable Adrian Hope, C.B., Lieutenant-Colonel, 93rd Highlanders, Hardoi.

62. Graves of Lieutenants C. Douglas, A. Jennings Bramley, and H. Willoughby at Hardoi.

93. An enclosure at Kusaura containing the graves of two children of W. G. Probyn, C.B., Hardoi District.

94. Grave of Major Robertson at Baraman, Hardoi District.

95. A monument erected in memory of certain victims of the rebellion of 1837 at Kheri.

Punjab.

66 Mackeson's Obelisk-Peshawar.

97. Bilaspore monument four or five hundred yards to the East of Ruttem Ghar, to Captain Showers, 1-19th Bengal Native Infantry, killed storming the Malown Heights, 15th April 1815.

98. Also to Lieutenant Lawtis, R.E., rude tomb of stones; a monument

was erected to him in the Cathedral Church of Calcutta.

99. Lieutenant Thackery, 26th Native Infantry, killed at the siege of Jevtuk; his tomb on the bank of a tank at Nahun. This monument is a lofty pyramid on a pedestal without any inscription; there are three other graves.

100. Masonry pyramid and inscription to the memory of Colonel Canara, who fell in 1848 while defending his guns against the rebel Sikh army at Harripur,

101. Cemetery at Gujrat in which officers and men killed in that battle are interred.

102 Grave of Lieutenant Boulnois, Bengal Engineers, in a bastion of Fort Michni, assassinated by Mohmunds in 1852.

103. Cross in memory of Sir Donald McLeod at Lahore.

104: In front of the Delhi Church is a massive marble cross, sacred to the memory of those who were massacred in May 1857.

tos. The Delhi magazine rendered famous by the intrepid Willoughby.

too. John Nicholson's grave in the cemetery, Delhi, facing the Kashmir Gate,

107. Flag-Staff Tower, Delhi. 108. The Monument on the Ridge, Delhi.

tog. Monument and fountain in memory of General John Nicholson, who fell at Delhi, 1857, at Margulla, between Rawalpindi and Attock.

110. Memorial monument of the siege of Delhi, 1857; Delhi,

itt. Monuments to the officers of the several Regiments who fell at Ferozeshah in the Ferozpur cemetery.

112. Battle-field monument at Mudki, Ferospur.

113. Battle-beld monument at Ferozeshah. 114 Battle-field monument at Sobraon.

115 Tomb of Sir Henry Durand at Dera Ismail Khan,

116 Monument in the Public Garden, Gurdaspur, to the soldiers killed in the action at Trimin Ghar, 1857.

117. Memorial Irish Cross, Chilianwalla, detailing the names of officers killed in the battle.

Punjab-contd.

- Monument in a garden at Gurdaspur to the soldiers who died of wounds received at Trimin Ghât.
- 119. Tomb of Lord Elgin at Dhurmsalla.
- 120. Monument in memory of those killed at Hissar in 1857.
- Memorial at Montgomery of Leopold Oliver Fitzhardinge Berkely, Extra Assistant Commissioner, killed in 1857.
- Monument over the bodies of officers killed at Chatrian, Sirsa District, 1857.
- 123. Battle-field obelisk at Chilianwallah, and graves of men who fell in 1849.
- 124. Battle-field obelisk at Aliwal, Ludhiana.
- 125. Monument erected in memory of Mr. Vans Agnew and Lieutenant William Anderson, at Multan, in the Fort; also Tablet in the Idgah at Multan to the same.
- 1254. Tomb at Multan of Major Montexambert, 10th Regiment, who fell during the siege. Erected by Lord Dalhousie.

Maisur.

- 126. Equestrian statue of Lieutenant-General Sir Mark Cubbon, Commissioner of Maisur and Curg (by Marochetti), in front of the Maisur Government offices, Bangalore; bronze.
- 127. Cenotaph of the officers who fell at the siege of Bangalore, 1792.
- 128. Cenotaphs at Bangalore to officers and men killed in the campaigns of 1791-92 and 1799.
- 129. Monument at Seringapatam to Richard, Marquess Wellesley, K.P., Governor General of India, erected by Krishna Raja Wadayer, Bahadur, 1804.
- 130. Monument to Josiah Webbe, erected by Purma Diwan at Seringapatam.
- 131. Monument at Sabbal Rani Hill, Seringapatam, to the officers of H.M.'s 12th and 74th Regiments killed or died during the siege of Seringapatam, 1799.
- 132. Tomb of Captain Ouslow Gore, an Engineer Officer who fell at the battle of Arikere in the Manjarabad Taluk, Hassan District, 1800.

Bombay.

In the Town Hall,

Bombay.

- 133. Statue of Sir Charles Forbes,
- 134. Statue of Hon. Mountstuart Elphinstone
- 135. Statue of Sir John Malcolm.
- 136. Statue of John, Lord Elphinstone.
- 137. Sitting statue of Mr. Stephen Babington.
- 138. Statue of Sir Bartle Frere.
- 139. Sitting statue of Mr. Charles Norris.
- 140. Sitting statue of Sir Jamsetji Jejibhoy.
- 141. Statue of Lord Cornwallis
 142. Sitting statue of the Marquis
 of Wellesley.

 Garden enclosure of the Elphinstone
 Circle, Bombay.
- 143. Sitting statue of Her Majesty Queen Victoria on the Esplanade, Bombay.
- 144. Statue of the Prince of Wales,
- 145. Statue of Prince Albert.
- 140. Statue of the Honourable Jugganath Sunkersett, in the Fort.
- 147. Statue of Sir Jamaetji Jejibhoy, Bart., Jamsetji Jejibhoy Hospital, Byculla.
- 148. Memorial marble tablets of the officers and men who fell in the Afghanistan and Sind campaigns, on the walls of the apse and chancel of St. John's Church at Colaba.

Bombay - wald.

149. Old Dutch tombs at Ahmedabad.

150. Monument in the wall of the town of Ahmadnuggur, naming those who fell at the storming of the city in 1803.

151. Monument at Koregaum, near Puna, to the 2nd Bombay Grenadiers.

152. Grave in Kanara of Lord St. Maur, son of the Duke of Somerset, killed in 1865 by a bear at Kirwatty, near Yellapur. 153. Grave in Kanara of Lieutenant Carpendale, who died at Yellapur while

surveying the Arbyle Ghat Road.

154. Memorial cross at Puna to Lord Frederick FitzClarence.

155. Monument at Kawulkad, Kanara, in memory of Lieutenant John Edgar Leslie, Madras Native Infantry, who died in service on 20th March 1845.

156. Tomb at Markward, Kanara, in memory of Lieutenant Mortlock.

157. Monuments at Aden over the officers and men who fell at the capture of Aden in 1839.

158. Tomb of John Thackeray, Collector and Political Agent, killed at Kittur in 1824, during the insurrection at Kittur in Dharwar.

150. Wooden cross with metal tablet bearing Latin inscription in the "Mula's

Ward " of Surat-marks site of ancient Capuchin Chapel.

160. Oxenden Mausoleum, Surat.

161, Tombs at Surat of Gerald Angier (supposed) Bernard Wyche, F. Breton, H. Gary, and B. Harris; former Presidents and merchants of Surat.

162. Tomb of Van Reede, Dutch President of Surat, and other Dutch tombs of same epoch, near the preceding.

163. Tom Coryat's tomb-old European burial-ground, Swali, near Surat. 164. Vaux's tomb on right bank of Papti, not far from its mouth-near Surat.

165, Tomb of Brigadier David Wedderburn, killed at siege of Broach, 1772, near North-Western bastion of Fort Broach.

166. Tomb of Captain William Sempil, killed at Broach, 1803, near village

of Pejalpur, Broach.

167. Tomb of M. François Montreaux, a Portuguese officer, who seems to have taken part in siege of Broach, 1803, near the preceding.

168. Dutch tombs-about one mile west of Pejalpur, Broach

Sind.

166. Tomb of Edward Cooke, with peculiar inscription, 1743-Tatta in Sind:

170. Old European burial-ground on Bandar Road, Karachi.

171. Napier Obelisk (1853) in memory of Sir Charles Napier-Napier Mole Road—Kurachi.

172. Monument bearing names of officers and men who fell on the battle-

field of Maini, Haiderabad, Sind.

173. Monument-in Government House grounds, Karachi, erected by Sir C. Napier to memory of officers and men, 22nd Regiment, who fell in the Sind campaign.

·Raiputana.

174. Bust with inscription at Ajmir of the late Colonel Sutherland.

175. Monument of red sandstone exected to the memory of Lieutenant-Colonel John Ludlow, C.B - 1822, at Harod-Kotah State.

176. Tomb of the late Colonel Dixon in the Beawar cemetery (Ajmir-Merwara). 177. Tomb in the old cemetery, Jaipur, to the memory of Mr. Martin Blake, B.C.S., Assistant to the Governor General, Rajpotana, murdered at Jaipur on the 4th June 1835.

Rajputana-conta

178. A large monument at Lalsot, 24 miles to the north of Dosa, Jaipur State, erected to the memory of an officer (name unknown) who died there.

179 The Hastings Bridge erected in 1818 by Colonel Tod, 6 miles east of Kotah, in commemoration of the victory over a body of Pindaris.

180. Monument near Mangrol (Kotah State) to Lieutenants Clerk and Read, of the 4th Regiment, Bengal Light Cavalry, killed in a fray with the forces of the Maharao Kishori Singh, 1821.

181: Monument in the Kotah graveyard in memory of Brevet Major C. A. Barton and two sons killed in defending the Residency against muti-

nects, 1857

Central Provinces.

182. Monument and tombs in the Sitabuldi Hill Fort to the memory of officers

killed at the battle of Sitabuldi in 1817.

183. Grave at Bera Ghat, 9 miles from Jubbulpur, of a gentleman who while in a boat on the Narbudda jumped into the river to save himself from bees and was drowned.

184. Monument at Saugor in memory of General Wallace; General Sir T. Anbury, K.C.B., C. A. Moloney, B.C.S., Agent, Governor General, Saugor and Narbudda Territories; E. W. Cockerell, B.C.S., Assistant to Agent, Governor General, Saugor and Narbudda Territories.

185. Cross at Karinjia, Mandla District, erected in 1867 in memory of mis-

sionaries who died there.

186. Graves of officers and men who fell at the siege of Chanda, 1818, at Chanda.

186a. Masonry grave at Sahhhatta in the Patna State, bordering on the Sonpur State, Sambalpur District,—said to be to an officer in command of troops proceeding during the last century from Cuttack to quiet a disturbance in the Bora Sambar Zamindari.

1866. Masonry monument at Semrapali, Sarangarth State, Sambalpur District, to A. C. Elliot, who died in 1778 on a Political Mission to the Raja of

Nagpur.

186c. Tomb at Muvmari, 50 miles east of Nagpür, of Mary, wife of Major Claye Watson.

British Burma.

187. Graves at the Shive Dagsu Pagoda, Rangoon, of officers and men killed at the storming of the Pagoda in 1852.

188. Graves at the Botatoung Pagoda, Rangoon, of officers and men who

fell or died in the second Burmese War, 1852-53.

189. Tombs on the platform of the Shway Dagone Pagoda, Rangoon, of officers killed in the operations, 1852-53.

Hyderabad Deccan.

190. Assaye battle-field monument (43 miles north-east of Aurangabad), 1803.

Assam .

191. Memorial at Cherra Punji to the memory of David Scott, B.C.S., Agent to the Governor General, who died 20th August 1831.

192. Monument of plastered stone with a tablet at Nongkhlao in the Khasi bills, 35 miles north-west of Shillong, to Lieutenants Bedingfield and Buriton, massacred by Khasias, 1829.

193. Stone cairn at Kohima to the memory of Mr. G. H. Damant, B.C.S.,

treacherously killed by Nagas, 1879.

Assam.-contd.

194. Memorial stone at Khonoma to the memory of Mr. G. H. Damant, B.C.S.

195. Memorial stone at Khonoma to the memory of Major Cock, killed at the attack on Khonoma, 1879.

196. Tomb at Goalpara to Lieutenant Cresswell, died of a wound received in action against freebooters in Kamroop, 1794.

Madras.

197. Equestrian statue of General Neill, 1st Madras Fusiliers, Mount Road;

198. Monument in the Island at Seringapatam to the memory of Lieutenant-Colonel William Baillie, who was taken prisoner at Perumbakum, 10th September 1780, and died at Seringapatam in November 1782, erected in 1816 by his nephew, Lieutenant-Colonel John Baillie, Resident at Lucknow.

199. Statue of the Rev. Mr. Schwartz, by Flaxman, in the church at the little

Fort, Tanjore.

200. Tower on the coast at Saluvanaikpatnam (Tanjore District), erected by the late Rajah of Tanjore to commemorate the hattle of Waterloo.

 Monument on the Red Hills west of Pondicherry to Major Stevens, Chief Engineer, killed in the trenches during the siege of Pondicherry, 1778.

202. Obelisk at Kotta Kuppam, north of Pondicherry, over graves of soldiers killed at the siege of Pondicherry, 1760.

203. Cenotaph at Tirukoilur to the memory of Arthur French, M.C.S., who died at Cuddalore in 1823.

204. Monuments to officers who fell or died of wounds received at Panjalum Kurichi, 1799-81, at Vellaram, Tinnevelly District.

205. Equestrian statue of Sir Thomas Munro, once Governor of Madras,

middle of Island at Madras; bronze.

206. On the parade-ground facing the Council House at Madras, stone canopy covering a large pedestrian marble statue of the Marquis of Cornwallis on a marble pedestal, decorated with groups of figures in altorelievo, representing the surrender of the sons and suite of Tippu Sultan.

207. Monument at Patti Konda built in memory of Sir Thomas Munro, erected

on the spot where he died of cholera.

208. White marble statue of Sir Thomas Munro-Fort Church Madras.

209. Cenotaph to the Marquis of Cornwallis, enclosed by an iron railing cast from the cannon taken at the siege of Seringapatam, 1799, by the troops under his command—Mount Road, Madras.

210. Cenotaph to Colonel Dalrymple-Parade-ground, St. Thomas' Mount,

Madras.

211. Obelisk in memory of General Sydenham-St. Thomas' Mount, Madras.

213. Granite column to Colonel Noble, C.E., erected by the men of the Horse Artillery, St. Thomas' Mount, Madras.

213. A half-length marble bust (by Chantry) of Colonel Noble, C.B., placed by the officers, Royal Horse Artillery, in the Church, St. Thomas' Mount,

Madras.

214. Madras Memorial Hall-erected by public subscription in memory of the

Madras Presidency not joining in the Sepoy Mutiny of 1857.

215, "Lal Bagh," Seringapatam, a mausoleum built by Tippu Sultan for his father, and in which he also was buried. The folding-doors, inlaid with ivory, were the gift of Lord Dalhousie, and the mausoleum is supported at Government expense.

Madras,-contd.

- 216. Monuments to Colonel Brown and Captain Hislop, killed in the battle of Pullalore, Conjeveram, 1781.
- Monument on the Race-course, Guindy, to the memory of Major Donald Mackay, who died in 1783.
- 218. Cyclone Monument in the Fort at Masulipatam to the memory of those who perished in 1864.

Central India.

- 219. Tomb on the Battle-field at Maharajpur, Gwalior State—to Lieutenant Bray, Her Majesty's 39th Regiment.
- 220. Tombs by old Gwalior Cantonment of officers formerly attached to the Residency.
- 221. Tombs at Mehipur, Western Malwa—Captain Norton, Lieutenants Shanahan and Gom, Rifle Corps, Lieutenant Gibbings, 2nd Battalion, 18th Regiment, erected by the officers of the 3rd Division of the Army of the Deccan, 21st December 1817.
- 222. A grave on the Battle-field of Mundisore, Western Malwa-name unknown.
- 223. At Rajgarh, Chhatarpur, Bundelkhund-grave of Colonel Leslie, 1778.
- 224. At Ajaigarh, Fort Bundelkhund-Tomb of Lieutenant Babington, 2nd Regiment, Native Infantry, 5th August 1813.
- 225. At Teghara, Siniariya, Punna, Bundelkhund-Tomb of Mr. Murray, Thuggi Department, murdered by thugs.
- 226. Tombs of General Churchill. C.B., Lieutenant-Colonel Edward Sanders, Bengal Engineers, who fell in battle at Maharajpur, 20 miles north of Gwalior.
- 227. Tombs four miles to the west of Morar near the Sagar Tal. Lieutenant Robert Vetch, Assistant to the Resident with Scindiah, died 1813 (the tomb out of the perpendicular and dangerous); R. Macaulay, Esq., Surgeon, died 1813. Josiah Stewart, died 1825; Susan Elizabeth Low, died 1831.

Appendix C.

List of some ancient and modern Forts and Citadels in India.

(Revised.)

Punjab.

/ ATTOCK-Muhammadan, Akbar, 1583. Ballabgarn—Delhi—Muhammadan.

3. Charsuddah-Peshawar-old Pathan Fort called Balla Hissar, built un the site of Pushkalavati, the ancient capital of Gandhara.

4. DELHI (OLD FORT)-Lalkot, 1052-Hindu. Kali Rai Pithora, 1180, A.D.-Hindu. Siri or Kila-Alai, 1304-Muhammadan. 60 Tughlakabad, 1321-Muhammadan,

Adilabad-Muhammadan, 1325. o. DELHI (MODERN)-Muhammadan.

to. DEPALPUR-Montgomery-early Muhammadan ; in ruins.

11. EDWARDESARAD-Banqu- modern, 1848. 12. ISLAMCARH-Bahawalpur State-Hindu.

13. JAHAZGARH-Rohtak-built by George Thomas.

15. JAMEUD-Peshawar-Muhammadan. Occupied by the British.

16. KOT KANGRA-Early Hindu.

Kumlagarii — Mandi State — Hindu. 1,500 feet above the Beas River.
 Malaun — Hindu State — Gurkha. 2,000 feet above the Rivers Gamrata

and Gambbar. 19. MALLOT-Salt Range-Old Hindu. Contains a temple in the Kashmir

style of architecture. Circuit of fort 8,000 feet. 20. MASTGARH-Bashahr State-Gurkha.

21. MICHNI-Peshawar-British.

22. MOHUR-Bashahr State-Gurkha. Contains a famous Hindu Temple.

23. MULTAN-Muhammadan.

24. NAWAGARH-Bashahr State-Garkha.

25. PATHANKOT-Gurdaspur-a very ancient Fort. Hindi coins of the tal Century found in it.

26. PERHAWAR-Fort of Bala Hissar of san-dried brick-Muhammadan.

27. PHILLAUR-a Fort built by Ranjit Singh.

28. RAMGURH-Hindu-Gurkha.

29. RANIGAT-Yusufzai, Peshawar-early Buddhist, with Graco-Bactrian remains. Strong hill fort.

30. ROHITAS-Jhelum-massive fort built by Shir Shah; covers 260 acres-Muhammadan.

31. SHAHKADAR-Peshawar-Sikh. Now held by the British.

32. SHER SHAR-Multan -River fort on the Chenab-Muhammadan.

33. SHORKOT-North-west of Multan-A very ancient Fort. Greek coins found; also a quantity of moulded bricks. 34. TANK-Dera Ismail Khan-Fort of mud. Sir H. Durand lost his life here.

North-Western Provinces and Oudh.

35. AGRA-Muhammadan Built by Akhar.

36. ALIGARH-originally Hindu-enlarged by the Mahrattas.

North-Western Provinces and Oudh-contd.

37. ALLAHABAD-Muhammadan-Akhar, A.D. 1575.

- 38. BARANA-65 miles west-south-west of Agra-old Hindu Fort. Added to by Muhammadans and Jats.
- 39. Barigarit-in the Banda District-Fort of Chandel Rajas. 40. BATESWAR-43 miles south-east of Agra-Hindu Fort.

41. BHIND-near Etawah-Hindu Fort. 42. BIJAIGARH-Mirzapur-Hindu; ruined.

43. CHARKHERI—near Mahoba, Banda—Muhammadan.

44 CHUNAR-Mirsapur-Hindu; used.

45. GARHA-in Sultanpur District, Oudh-formerly Hindu.

46. HATHRAS-Aligarh-Hindu ruined

47. JAGNER-Agra-36 miles south-west of Agra, on a hill 400 feet high, covered with remains of temples, &c. Has a gateway dated A.D. 1571 but the fort is Ancient Hindu.

48. JALAON-small Hindu Fort. Remains of fine buildings inside.

 JAYTPUR—Banda District. Remains of Mahratta Fort, enclosing numerous dressed granite carvings.

50. KALINGAR-Banda-Hindu, 7th Century A.D. Fortifications dismantled A.D. 1866. The site is covered with interesting remains.

51. Kasta-35 miles east of Gorakpur-called Matha-kuar-ka-kot-Buddhist.

51s. MAHOBA, FORT.

52. MARPHU-in the Banda District-Fort of Chandel Rains. 53. MAUDHA - in the Hamispur District-Fort of Chandel Rajas.

54. NALAPANI-Dehra Dun-Gurkha, A.D. 1814.

55. NIMSAR-Lucknow-Muhammadan, A.D. 1362. Built on a Hindu founda-

56. RAGAULI-Banda-Hill Fort, and 1,300 feet above sea-Hindu.

57. RAI BARELI-Muhammadan, 15th Century A.D. Has some handsome tombs and mosques.

58. RAJGHAT-Benares-erected by the British, A.D. 1837.

59 RAMNAGAR-Rohilkhand-old Hindu Fort, with 54 bastions.

60. Shahjahanpur-Muhammadan.

61. SIRAKAT-Kumaun-Hindu. Strong, but without water-supply.

62. UJAIN-near Kashipur in the Moradabad District-Buddhist.

Bengal and Assam.

63. BARABATI-Cuttack-Hindu, 14th Century A.D ; almost ruined.

64 BENUGARH-Purneah District-Hindu, B.C. 57; ruined.

65. BESARH-Patna-Buddhist. Large deserted Fort. 66. BIHAR-Gya-Buddhist. Massive walls.

- 67. CALCUTTA—(Fort William)—British.
 68. DURDURIA—Dacca District—Hindu; 2 miles in circuit; contains remains of buildings.
- 69. GHOLGHAT-Remains of a Portuguese Fort, which grew into Hooghly.

70. JANOGARH-in Orissa-Buddhist. Asoka Inscriptions.

71. MONGHVR-Muhammadan.

72. RAJAGRIAH-Patna - Ancient Buddhist; in mins.

73. RAMGARH-South of Hazaribagh-Buddhist, contains an Asoka Inscription. 74. ROHTASGARH-Shahabad-Ancient Hindu; 1,490 feet high, 28 miles in circuit; contains many interesting buildings.

75. GARHGAON-Sibsagar, Assam-Hindu.

Rajputana.

76. AMBER-Jaipur-Hindu. 76g Bayana-in Khirauli.

77- Bhainsnor-Udaipur, on a rock-Hindu.

78. BHARTPUR-Hindu, A.D. 1733-

79 BHATNAIR-Biknner-old Hindu. 85. BHAT-KA-DUNGR-a circular aboriginal fort-Jaipur State, 2 miles southwest of Nain.

81. BIKANER-Hindu, 31 miles circuit. Good condition and massive.

82 CHITTORE-early Rajput.

83. DEOSA-Jaipur State-32 miles east of Jaipur city on the top of a hill-Hindu.

84. Did-Deeg-Bharatpur-Hindu.

844 JAHANGURH, Khiraul.

85. Jaipur-Tiger Fort-Hindu.

86. Jaisalmer-Hindu; 250 feet high; strong.

87. JODHPUR-Hindu, A.D. 1549. 88. RAJGARH-Ulwar State.

89. RANTAMBORE-Jaipur State. 90. TARAGARH-Ajmir-originally Hindu.

Central India.

91. AJAIGARH-Bundelkhand Agency-Fort of Chandel Rajas.

92 BHILSA-Bhopal-Hindu.

93. CHANDERI-Gwalior-ruins; Hindu.

94 GWALIOR-Gwalior-Hindu

95. IRICH-Central India on the Betwa, north-east of Jhansi, formerly Hinducaptured by Akhar.

96. JAHAR-Gwalior State.

97. JHANSI-Gwallor-Hindu; naturally strong position.

- 98. LAHAR-Central India between Gwalior and Jalaun-Mahratta. 99. MANIGARH-Bundelkhand Agency-Fort of Chandel Rajas.
- 100. RAHATGHAR-East of Bhopal-lormerly Hindu, containing ruins of an extensive Palace.

101. RAISIN-Bhopal-Hindu.

102 Unaipun-near Bhilsa-Hindu, Muhammadan.

103. SINDWA-Mahratta, one mile in circuit.

103a SUMPTHER-near Duttiah.

Central Provinces.

104. AJMIRGARH-Mandla-Hill Fort.

to5. ASIRGARH-Nimar-Hindu; strong (see Plan, Plate XIX, Cunningham's Vol. IX.)

106 BALLAPUR - Chanda-Hindu. 107. Baton-Raigur-Hindu,

108. CHAMAGARH-Narsingpur District-Hindu; ruined.

100 DEORI-Saugor-covering 3 acres-Hindu-1713; 1,700 feet high; occupled by Police &c.

110 DHAMONI-Sangor-Hindu, 1600 | 52 acres.

Central Provinces-contd.

ttt. Dongargarn-Raipur-Hindu; 4 miles circuit; no remains of buildings.

112. GARHA-Near Jubbulpore-Fort of Chandel Rajas.

113. GARHAKOTA-Sagar-Hindu, 1629.

114 HATTA-North of Damoh-formerly Hindu.

115 KOSGAIN-Bilaspur-Hindu.

115. LAPHAGARH-Bilaspur District-Hindu; part of the Fort remains in good preservation.

117. MANDLA-Hindu-see Grant's Central Provinces Gazetteer.

118 PAUNI-South-East of Nagpur-Hindu.

119. RAHANGARH-Sagar-Hindu; large Fort with many buildings.

120. RAIPUR-Hindu, A.D. 1460; a mile in circuit, 121. SAGAR-Mahratta Fort-covering 6 acres.

t22. SINGAURGARH-Jubbulpore, on a high hill-Hindu, A.D. 1540; remains of the Fort are extensive.

123. TEPAGARH-Chanda-Hindu; 2,000 feet above the sea.

124. UMRER-Nagpur-Hindu; partly ruined.

Bombay Presidency.

125 AHMADNAGAR-Deccan-Muhammadan, A.D. 1559: 11 miles in circuit.

126. BIJAPUR - Kaladgi - Muhammadan. 127. BUKKUR-Sind-Muhammadan.

128. CHAMPANER-Panch Mahals-Large and strong : Hindu.

129. DAMAN-Portuguese Settlement-In Guzerat, two Forts: "Damao Grande," " Damao Piquent."

130. DHARWAR-Hindu, A.D. 1403; falling into ruins,

131. DHULIA-Khandesh-Hindu.

132. DIU-Portuguese, A.D. 1345; in good preservation.
133. DOHAD-Panch Mahals-Muhammadan, 15th Century; strongly built. 134. HARISCHANDRAGARH-Ahmednagar; 3,869 feet above the sea,

135. IMAMGARH-Khairpur State, Sind. Blown up by Sir C. Napier

136. JUNNAR-Poona-Muhammadan, A.D. 1436.

137. PURUNDHAR-Poona, on a hill, 4,472 feet above sea-Hindu; afterwards occupied by Mahrattas.

138. RAIGARH-Thana-Hindu; eventually taken by Mahrattas.

139. RAIRI-Ratnagiri-Mahratta, A.D. 1662. 140. PAROLA-Khandesh-Hindu.

141. PARTABGAH-Satara-Mahratta

142. PAWAGARH-Panch Mahals, on a hill, 2,800 feet above the sea-Jain; afterwards occupied by Muhammadans, who erected buildings.

143. PAWANGARH-Kolhapur-Hill Fort-Hindu.

144 SATARA-On a hill-Mahratta.

145. Senwan-Karachi-Sind, old fort, said to be of Alexander the Great.

146. SHIVNER-Poona-Mahratta.

147. SHOLAPUR-Muhammadan, A.D. 1345.

148. SONGARH-Baroda-Hindu.

149 SURAT-Built A.D. 1373, rebuilt A.D. 1546.

150. SINHGARH-Poona-Hindu

Berars.

- 151. BALAPUR-Muhammadan, A.D. 1757; large and strong.
- 152. GAWILGARH-Ellichpur-Muhammadan, A.D. 1420. Fort dismantled A.D. 1853.
- 153. NARNALA—Ellichpur, on a hill, 3,161 feet above sea; extensive fortifications—Jain; afterwards added to by Muhammadans; interesting ruined buildings in the Central Fort.

Haiderabad.

- 154 DAULATABAD-On a rock-Hindu (Deogiri); large Fortress.
- 155. GOLCONDA- Fort used as the Nizam's Treasury.
- 150. NALDRUG-14 miles in circuit, on a rock 200 feet high-Early Hindu.

Maisur.

- 157. BADIHAL-Chitaldrug-Hindu, 16th Century A.D.
- 138 BANGALORE-Hindu, A.D. 1537
- 159. CHIKHALLAPUR-Kolar-Hindu, A.D. 1479.
- 160. CHITALDRUG-Nagar-Hindu, A.D. 1508.
- DODLALBAPUR—Bangalore—Hindu, 14th Century A.D. In the Fort are the remains of several fine buildings and tanks.
- 163. MAISUR-Hinds.
- 163. NANDIORUG-Kolar, on a hill, 4,810 feet above the sea-Hindu; added to by Muhammadans.
- 164. SAVANDRUG-Bangalore-Hindu.
- 165. SERINGAPATAM—Hindu, A.D. 1454; existing fortification constructed by Tippu Sultan.
- 166. SIRA-Tumkur-Muhammadan

Madras.

- 167. ARCOT-Hindu-Now almost ruined.
- 168. ARIA KUSSUM-Near Pondicherry-Hindu.
- 169. ARNI-North Arcot-Hindu; in ruins.
- 170. ATUR-Salem.
- 171. AMBERDRUG-North Arcot, Madras.
- 172. BELLARY-Hindu, 15th Century A.D.; strong.
- 173. Bonnily-Vizagapatam-Hindu. 174. Cannanore-Malabar-Hindu.
- 175. CHAITPET-South Arcot District-Hindu.
- 176. CHANDRAGIRI-North Arcot-Hindu, A.D. 1510.
- 197. CHINGLEPUT-Hindu, 16th Century A.D.
- 178. CHETYAI—Malabar—Dutch, A.D. 1717.

 179. COCHIN—Malabar—First European Fort in India—Portuguese, A.D. 1503;
 now ruined and occupied by a light-house.
- 180. COVELONG-Chingleput-Muhammadan, A.D. 1745; blown up in A.D. 1752 by Clive.
- 181. CUDDALORE-South Arcot-Muhammadan; in ruins.
- 182. FORT St. DAVID-South Arcot, 17th Century A.D. Parts in good preservation; is a landmark for mariners.
- 183. DEVIKOTTA-Tanjore on the coast at the mouth of the Coleroon River.

 An early settlement of the Company, ruined.

Madras-contd.

184. DHARAPURAM-Colmbatore. Fort dismantled in A.D. 1792.

185. DINDIGAL-Madura, on a rock, 1,223 feet high-Hindu. Was occupied by the British until A.D. 1860; great natural strength.

186. GANDIKOT-Cuddapah District, 1,670 feet high-Hindu, A.D. 1589.

187. GANJAM-Company's Fort, A.D. 1768.

188. GOOTY-Bellary-Mahratta, 16th Century A.D.

189. GURRAM KONDA-Cuddapah-Hindu.

190. GINGI-South Arcot-Hindu, A.D. 1442. Several fine buildings in the Fort.

191. KANVAGIRI-Nellore-Hindu, 13th Century A.D.; on a hill 1,500 feet above the sea. There is an ancient temple here.

192. KARANGULI-Chingleput.

193 FORT ST. GEORGE-British, A.D. 1609.

194. PALGHAT-Malabar-Hindu.

195 PENNAKONDA-Bellary-Hindu; afterwards occupied by Muhammadans who left many buildings.

196. PERAMAKAL-South Arcot-Hindu; on a hill 370 feet high.

197. RAIDRUG-Bellary-Hindu,

198. TANJORE-Hindu-Occupied by Mahrattas 199. SANKARIDRUG-Salem-Hindu; very strong. 200. SATYAMANGALAM-Coimbatore-Hindu.

201. TELLICHERI-Malabar-Hindu; used as a jail-

202. TIAJAR-South Arcot-Old Hindu.

203. TRANQUEBAR-Tanjore-Built by the Danes, A.D. 1624.

204. TRIVANDRUM-Travancore-Hindu; full of quaint wooden buildings.

205. VELLORE-North Arcot-Hindu; 1,500 feet; strong. Has a beautiful temple inside.

206. VINUKUNDA-Kistan-Old Hindu.

Appendix D.

Catalogue of works of Reference bearing on Indian and Oriental Architecture, Art, and Archwology.

(Revised.)

(I)

Catalogue of Books, &c., bearing on Indian Art.

ALEXANDER (JAMES EDWARD), -Travels from India to England comprehends ing a visit to the Burma Empire, and a journey through Persia, Asia Minor, European Turkey, etc., in the years 1825-26. Illustrated with maps and plates.—4to: London, 1827.

Annesley (George Viscount Valentia).—Voyages and Travels to India,

Ceylon, the Red Sca, Abyssinia, and Egypt, in the years 1802-06. By George Viscount Valentia. Plates and maps .- 1 vols., sto: London, 1800.

ATKINSON (E. T.).—Statistical, Descriptive, and Historical Accounts of the North-Western Provinces. - Vols. 7 to IV, and vol. X, North-Western Provinces Government Press, Allahabad, 1874.

ATRINSON (JAMES) -Sketches in Afghanistan, by James Atkinson, Esq. [lithographed plates by Louis and Charles Haghe] .- Folio: London, n. d.,

ATHANASIUS NITIKINS.-Travels in the Deccan, 1470. Translated by R. M.

Mayors, Esq., Hakluyt Society.

BELNOS (MRS. S. C.) .- The Sundhya; or the Daily Prayers of the Brahmins. Illustrated in a Series of Original Drawings from nature, demonstrating their attitudes and different signs and figures performed by them during the Ceremonies of their morning Devotions and likewise their Poojas, etc. 24 (coloured) plates, by Mrs. S. C. Belnos.—Imp. folio: London, 1851.
BELNOS (MRS. S. C.).—Twenty-four plates illustrative of Hindu and European

Manners in Bengal. Drawn on stone by A. Colin, from sketches by Mrs.

Belnos (text in English and French) - Folio: London, n. d.

BIDDULPH (J.), MAJOR - Tribes of the Hindu-Koosh -1 vol .- Office of Super-

intendent of Government Printing, Calcutta, 1880.

BIRD (JAMES).-Historical Researches on the Origin and Principles of the Buddha and Jaina Religions, illustrated with descriptive account of the Sculptures in the Caves of Western India, with Translations of the Inscriptions from those of Kanari, Karli, Ajanta, Ellora, Nasik, &c., which indicate their connexion with the Coins and Topes of the Punjab and Afghanistan. 53 plates .- Folio : Bombay, 1847.

BIRDWOOD (GEORGE C. M., C.S.I., M.D., now Sir G.) .- The Industrial Arts of India. With map and woodcuts. Published for the Committee of Counell on Education .- 2 vols., large er. 8vo; Chapman & Hall, London,

1880.

BLAGGON (FRANCIS WILLIAM) -A brief History of Ancient and Modern India, from the Earliest Periods of Antiquity to the termination of the late Mahratta War .- Obl. folio: London, 1805.

BREEKS (JAMES WILKINSON).—An Account of the Primitive Tribes and Monuments of the Nilgiris. By the late J. W. Breeks; edited by his widow.— 4to: London, 1873.

BROUGHTON (THOMAS DUER).—The Costume, Character, Manners, Domestic Habits, and Religious Ceremonies of the Mahrattas. With 10 coloured engravings, from drawings by a native Artist.—410: London, 1812.

BUCHANAN (DR. FRANCIS).—A Journey from Madras through the countries of Mysore, Canara and Malahar, performed under the orders of the Most Noble the Marquis of Wellesley, Governor General of India, for the express purpose of investigating the state of Agriculture, Arts, and Commerce; the Religion, Manners, and Customs; the History, Natural and Civil, and Antiquities, in the Dominions of the Raja of Mysore, and the countries acquired by the Honourable East Indian Company, in the late and former wars, from Tippoo Sultan. By Francis Buchanan, M.D. Illustrated by a map and numerous other engravings.—7 vols., 4to —London, 1807.

BURGESS (JAMES).—Archæological Survey of Western India, 1874. Belgaum and Kaladgi Districts.—W. Allen and Co., London, 1874. Buddhist Caves at Junnar.—Government Press, Bombay, 1875. Provincial Lists of Architectural and other Archæological Remains, Bombay, Sind, Berar, Central Provinces, and Haiderabad.—Government Press, Bombay, 1875. Remains at Gumli, Gop, and in Kachh.—Government Press, Bombay, 1875. Antiquities at Dahhoi, Ahmedabad, Thaa, Junagadh, Girnar and Dhank.—Government Press, Bombay, 1876. Kathiawad and Kachh.—W. Allen and Co., London, 1876. Translations of Inscriptions in the Belgaum and Kaladgi Districts. (J. F. Fleet, B.C.S.)—Government Press, Bombay, 1877. List of remains in Ahmednagar, Nasik, Puna, and Kaladgi.—Government Press, Bombay, 1878. Bidar and Aurungabad.—W. Allen and Co., London, 1879. Kachh.—Government Press, Bombay, 1879. Kurrachee, Hyderabad, and Shikarpur in Sind.—Government Press, Bombay, 1879. Bauddha Rock Temples of Ajanta.—Government Press, Bombay, 1887. Cave Temple Inscriptions.—Government Press, Bombay, 1881. Cave Temple Inscriptions.—Government Press, Bombay, 1881. Cave Temple Inscriptions.—Government Press, Bombay.

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Stupa.—Government Press, Madras.

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BURMESE WAR, THE.—(Eighteen coloured views taken at and near Rangoon, by Lieutenant Joseph Moore, 89th Regiment; and six coloured engravings illustrative of the combined operations of the Forces in the Burman Empire, 1824 and 1825. Painted by T. Stothard, R.A., from original

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BURNES (LIEUTENANT ALEXANDER).—Travels in Bokhara; being the account of a journey from India to Cabool, Tartary, and Persia; also the narrative of a voyage on the Indus from the sea to Labore, with presents from the King of Great Britain, performed under the orders of the Supreme Government of India, in the years 1831, 1832, and 1833.—3 vals., roy. 8va. Low. don. 1834.

CALDECOTT (JOHN).—Description of an Observatory established at Trevandrum by His Highness the Raja of Travancore.—4to: Madras, 1837; London,

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CLARK (MRS. H.).—Summer Scenes in Kashmeer. Drawn on stone by J. Need-ham, from sketches by Mrs. H. Clark (12 lithographs). -Imp. folio: London, 1858.

COLE (HENRY HARDY).—Illustrations of Ancient Buildings in Kashmir, prepared under the authority of the Secretary of State for India in Council, from photographs, plans, and drawings taken by order of the Government of India. By Henry Hardy Cole, Lieutenant, R.E., etc.—Folio: W. Allen & Co., London, 1870.

COLE (HENRY HARDY) -The Architecture of Ancient Delhi, especially the Buildings around the Kutub Minar, by Henry Hardy Cole, Lieutenant, R.E.,

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COLE (HENRY HARDY).—Illustrations of Buildings near Muttra and Agra, showing the mixed Hindu-Mahomedan style of Upper India, prepared at the India Museum under the authority of the Secretary of State in Council, from photographs, plans, and drawings taken by order of the Government of India by Henry Hardy Cole, Lieutenant, R.E.—Folio: W. Allen & Co., London, 1873.

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Cole (Henry Handy)—Fifty-one Photographic Illustrations taken by order of the Government of India, of some selected objects shown at the third exhibition of Native Industrial Act, opened at Simla by His Excellency the Viceroy, 24th September, 1881.—Woodbury Permanent Photographic

Printing Company, 157, Great Portland Street, London.

CORDINER (JAMES).—A Description of Ceylon, containing an Account of the Country, Inhabitants, and Natural Productions; with narratives of a tour round the island in 1800, the Campaign in Candy in 1803, and a journey to Ramistoram in 1804. Illustrated by 25 engravings from original drawings.

—2 vols., 410: Landon, 1807.

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Costumes, Indian.—Fifty-three original coloured drawings of Indian costumes —Sep.

CUNNINGHAM (ALEXANDER).—An Essay on the Arian Order of Architecture as exhibited in the Temples of Kashmir, by Alexander Conningham. [Plates.]

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CUNNINGHAM (ALEXANDER).—The Bhilss Topes; or Buildhist Monuments of Central India, comprising a brief historical sketch of the rise, progress, and decline of Buddhism, with an account of the opening and examination of the various groups of Topes around Bhilsa. By Brevet-Major Alexander Cunningham. Illustrated with thirty-three plates—800: 1854.

CUNNINGHAM (ALEXANDER)—The Ancient Geography of India. 1—The Buddhist Period, including the campaigns of Alexander and the travels of Hwen

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(c)-Notes on Captain Hay's Bactrian coins-page 531.

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IX .- Volume XXXIII, 1864 Notes on the Bactro-Pall Inscription from

Tarrili-page 35

X-Volume XXXIII, 1864. Remarks on the date of the Pehewa Inscription of Raja Bhoja-page 223.

XI .- Volume XXXIV, 1863. Coins of the nine Nagas and of two other dynasties of Marwar and Gwalior-page 1.

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XIII .- Volume for 1883. Second Notice of Relics from Ancient Persia in gold, silver, and copper.

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the late W. Daniell, R.A .- 2 vols., 8vo: u. d.

DIXON (C. J.) -Sketch of Mairwara; giving a brief account of the origin and habits of the Mairs, their subjugation by a British Force; their civilisation, and conversion into an industrious peasantry; with descriptions of various works of irrigation in Mairwara and Ajmir, constructed to facilitate the operations of agriculture, and guard the districts against drought and famine. Illustrated with maps, plans, and views, by Lieutenant-Colonel C J. Dixon .- sto: London, 1850.

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D'OVLEY (SIR CHARLES, BART.) .- Views of Calcutta and its Environs. By the late Sir Charles D'Oyley, Bart. (26 lithographs) .- Imp. folio : London,

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FANE (HENRY EDWARD).—Five years in India; comprising a Narrative of Travels in the Presidency of Bengal, a Visit to the Court of Runjeet Sing, a Residence in the Himalayah Mountains, an Account of the late Expedition to Cabul and Afghanistan, Voyage down the Indus, and Journey Overland to England, by Henry Edward Fanc, Esq - 2 2015, 820 - London, 1842.

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Portuguese ; translated by Captain John Stevens, 1594.

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Bombay.

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HARDINGE (HONOURABLE CHARLES STEWART) .- Recollections of India. Drawn on stone by J. D. Hardinge, from the original drawings of the Honourable Charles Stewart Hardinge. Part I .- British India and the Punjab. Part

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Appendix E.

Great Buddhist Tope at Sanchi, Bhopal State, Central India.

(N.B.-The Illustrations are from photographs, printed by Heliogravuse.)

1. The Great Tope at Sanchi, so well known in the scientific world, through the writings of General Cunningham and Mr. J. Fergusson, was first discovered by Captain Fell in 1819 and excavated in a most destructive manner in 1822 by amateur archieologists. (Mr. H. Maddock, afterwards Sir Herbert Maddock,

was at the time Resident at Bhopal.)

2. Captain J. D. Cunningham, when Political Agent at Bhopal, noticed these antiquities in a paper communicated to the Bengal Asiatic Society in 1847. Major H. Durand (afterwards Sir H. Durand) made drawings of various portions of the Sanchi Gates in 1850-53. But the more detailed discoveries of General Conningham and Lieutenant (now General) Maisey in 1851 (when they also opened the topes around Bhilsa) are described in the "Bhilsa Topes, published by General Cunningham in 1854-

3. No relics were found in the Great Tope in 1851; the southern and western gates were fallen, the pieces lay scattered on the ground, and a recommendation is recorded in the above-mentioned work for their removal to the British Museum, "where they would form the most striking objects in a Hall of Indian Antiquities." Nothing was, however, done on account of the great difficulty and expense of transporting such large masses of stone over a rough and hilly

country to the seaboard.

4. In May 1868 Major Willoughby Osborne, Political Agent in Bhopal, informed the Government of India that the Begum of Bhopal had been requested to present one of the Sanchi gates to the Emperor of the French, to be erected in Paris, but that she desired to know whether the British Government would accept the gate in question for the British Museum. The Government of India in the Foreign Department then wrote to the authorities in Central India, asking that no removal of any portion of the Sanchi remains might be permitted, and stating that casts of the more interesting portions would be procured and copies presented to the French Government.

5. I was accordingly deputed in 1868 to undertake the casting operations, and in 1869 made a full-size model of the eastern gateway of the Great Tope, as well as portions of the sculptures of the three other gateways. Copies of these casts may be seen in Paris and in London and Edinburgh. Casts of some

of the scuiptured panels are in the Imperial Museum, Calcutta,

6. Early in 1880 Major Prideaux, Political Agent, Bhopal, submitted a recommendation through Sir Henry Daly, then Agent to the Governor General in Central India, to clear the vegetation at Sanchi and to re-creet the fallen gateways. Mr. Bernard, Secretary to the Government of India in the Home Department, invited my opinion as to the feasibility of the proposal, to which I replied by strongly supporting it and by forwarding drawings, showing how the gates should be restored.

7. I visited Sanchi on the 27th November 1880, and reported on the state of the tope (see page clxi, Report of the Curator of Ancient Monuments in India for 1831-82). A detailed survey was also made, showing the exact condition of

The Bhiles Topes, by Brevet Major Canningham, London, Smith, Elder & Co., 1854. Tree and Serpent Weeship, by J. Fergusson, London, India Office, 1868, and addition, 1873.

Picturespee Bustrations of Ancient Architecture in Hindustan, by J. Fergusson, London, Hugarth

1847-

the remains and what was required to be done. (See plan, page ci of the report for 1882-83.)

PLATE No. 1.-Great Tope at Sanchi. Filling in of the Breach 1881.

8. In March 1881, Mr. Mears, Superintendent of Public Works at Schore, was deputed by the Political Agent of Bhopal to Sanchi. The Supreme Government furnished a sum of R2,000 for preliminary operations, and jungle was removed from the several ruins on the Sanchi Hill, the carved stone fragments were collected, the great breach made in 1822 repaired, creepers removed from the face of the mound, and the shaft that had been sunk in the tope filled in. A series of photographs, showing these operations, was taken, one of which is reproduced in the Plate.

 After personally inspecting the Sanchi buildings in 1882 and seeing the results of Mr. Mears' work, I addressed the following instructions to Major

Keith, who had been appointed my Assistant for Central India:-

"Your attention is directed to the following points in respect of the work at Sanchi.

"The first works to be attended to are the re-creation of the fallen gates, i.e., the western and southern gates of the Great Tope, and repairs to the smaller gateway close by. Arrangements for these should take precedence of all other works. * * I am disposed to postpone doing anything to the surface of the great homispherical donn of the tope; the removated portion shows signs of settling down, and dering this, pointing the masonry joints would be useless. Moreover, the done was originally plastered over, as may be seen in certain parts, and, after the railing has been replaced on the summit, it will be time to consider what is best to be done with the dome surface.

"The upper railing and the of the tope should, as far as possible, he re-erected. An approach path should be made up the side of the hill, and sinps cut in the rock were necessary. The causeway to the small tope on the west should also be improved by cutting steps, &c.

"A good deal remains to be done in jungle-clearing, and all the buildings and remains on the hill should be completely freed from creepers and trees. The tree near the northern gate should be felled.

** Mischievous chipping of carvings still goes on and can only be provented by creeting a wall around the area covered by buildings.

** The small tope to the west should also be so protocted, and gates under lock and key be provided at each place, so that the straying of cattle and trespass by idlers and mischievous persons may be prevented.

** I think a good deal may be done to the railing cound the Great Tope by straightening the plars and bolding erect by iron bars let into the plinth of the tope. A recent earthquake has caused a serious crack right across the bottom of the right pier of the northern gateway.

"Formately the crack is nearly in a horizontal plane, but it would, I think, be well to tie the top of the two piers by iron bars to the tops itself, and thus lessen the danger of falling

forwards, should Sum hi be again visited by an earthquake.

"The space between the railing and the tope is paved with large radiating slabs of stone, which should be laid bare and the covering earth all removed. The Buddhist figures should, as far as possible, be replaced in their positions opposite the gateways. The steps recently built to the top of the plant bare a number of carved stones, which belong to the upper railing, perhaps, and which should be removed. Fergusson's and Chould be restored. The small tope to the west might be repaired by filling is the hole and repairing the dome.

double flight of stairs at the south gate, and these stairs should be restored. The small tope to the west might bereaftes be repaired by filling is the hole and repairing the dome.

"The sculptures of the gateways of the Great Tope and of the small gateway near, also of the railing of the small tope to the west, should be thoroughly channed. All curved fragments, the original position of which cannot be identified, should be carefully collected together.

"The work of re-erecting the gateways is of paramount importance."

to Again visiting Sanchi on the rath—tath Match, I was most satisfied with what had been done. The progress made, under no common difficulties seemed to me most creditable to Major Keith and Mr. Lewis, the engineer placed at my disposal by Colonel Thomason. A complete transformation had taken place. The whole of the jungle had been removed from the Great Tope, the ground round it had been partially cleared and sloped, so as to prevent waterlodging, the processional path between the railing and plinth of the mound had been partly freed of debris and earth, the stone pavement laid bare, and,

several fragments of sculpture recovered during the process of clearing. The figures of Buddha were in process of re-erection in their respective places against the plinth of the tope opposite each of the four gateways. The great Asoka railing, which had fallen to ruin between the north and west gates, between the west and south gates, and at the east entrance, had been straightened and secured. The northern gate, rendered dangerous by the crack across the right pillar, had been secured. The eastern gateway had also been secured; the southern and western gates were in process of erection. The smaller gate had been re-built. Many of the sculptures had been cleaned, greatly to the advantage of the scenes, which were scarcely intelligible for lichen and coatings of plaster. Owing to the eradication of jungle the outline and position of the various buildings on the Sanchi Hill are now evident. The approach road on the north side of the hill had been opened out and restored, and the ancient causeway, leading from the small tope on the west, improved and stepped The retaining wall to the east of the Great Tope has been partially re-built, and the temples, Chaitya Hall and Vihara, cleared of debris. Two large statues of porters, or Gwapals, found in clearing the ground had been erected to the north of the Great Tope.

PLATES Nos. 2-5.—General Views of the Great Tope at Sanchi, showing Repairs, 1883.

PLATE No. 6.-Southern Gateway, Rebuilt, 1883. Front View. PLATE No. 7-Ditto Back View. PLATE No. 8,-Western Gateway, Rebuilt, 1883. Front View. PLATE No. 9 .-Ditto Back View. PLATE No. 10.-Small Gateway, Repaired, 1883. Front View. PLATE No. II-Back View.

11. Before Major Keith and Mr. Lewis left Sanchi, in April 1883, the fallen gates had been completely re-erected. The illustrations show what has been effected for the grant made by the Supreme Government.

12. The heavy part of the work is done, but the following remains to be

finished :-

Great Tope.

1. Complete the sloping off of the ground all round. 2. Completely eradicate all roots of trees or creepers.

3. Rebuild the plinth which bulges dangerously near the south gate. 4. Secure the surface masonry of the tope by filling in the joints and

5. Rebuild the railing on the summit of the mound.

6. Complete the cleaning of all sculptures.

Small Tope to the West.

7. Fill in the breach.

8. Secure surface masonry of the mound. Clear the ground of rubbish and trees.

to. Secure the railings.

11. Clean up the processional path,

12. Clean all carvings.

13. Wail round the small Tope.

General.

14. Build a wall round the area covered by the Great Tope, Vihara, and Chaitya (clear of all the ancient foundations of buildings, and on the slopes of the hill, so that the view of the Tope may not be obstructed.)

15. Complete small repairs to buildings to secure them against rain.

16. Put up stone slabs with inscriptions giving name and date of each structure and when repaired.

These operations are now in progress by Mr. A. Mears, whom Colonel

Kincaid, Political Agent of Bhopal, has deputed to Sanchi.

13. The Sanchi Stupas, or Topes, and their sculptures, have been illustrated and described more than any other monument of Indian antiquity. An elaborate notice of them would be out of place here, and I merely repeat what General Cunningham and Mr. Fergusson have written. The following brief summary will, however, show the value of this unique historical building.

14. General Cunningham assumes the dates to be as follows :-

Tope, B.C. 500-3000 Railing, B.C. 250.

Gates, about the Christian Era-

15. The tope is elliptical in plan, measuring at the base 118 feet by 125 feet. Its present height above ground is about 55 feet, the railing is also elliptical in plan, measuring 137 by 150 feet. There are four gates, at the north, south, east, and west, giving entrance to the processional path between the tope and railing. The tope is faced with stone, the railing composed of uprights and cross-bars of stone, inscribed with the names of donors. The four gates or totans are alike in construction, consisting of two pillars, about 10 feet from centre to centre and 2 feet square in section, for a height of nearly 15 feet from the ground. The superstructure consists of capitals about 6 feet high, supporting three cross lintels, measuring about 22 feet from end to end. The total height of each gate without the upper row of statues and symbols measures about 33 feet.

16. The architectural embellishments of these curious gates are of three

kinds-

I.—Detached statuettes and sculptured symbols.

II.-Sculptured capitals, caps, and bars.

III .- Bas-reliefs of historical and religious meaning.

17. A large number of the detached sculptures have disappeared, but it is evident from those that remain, as well as from the slots which held those missing, that all the openings between the cross lintels were filled. Each upper rail was crowned by a central symbol of the wheel, flanked by statuettes of porters holding chauris, trisal emblenes and winged lions or elaphants. Men on horseback and riding elaphants, dancing women, tigers and bons, filled the spaces between the upright bars of the cross lintels. The capitals of each of the pillars were flanked by brackets, representing dancing women under trees.

18. The sculptures of the capitals are :-

Northern and eastern gates.-Elephants and riders.

Southern gate.—Lions. Western gate.—Dwarfs.

The block caps of each gate represent crouched animals and riders placed back to back (like the capitals at Persepolis), elephants, horses, winged lions, tigers, bullocks, dromedaries, goats, deers and horned griffins with wings.

The upright bars of the cross rails are variously carved with conventional flowers and emblems.

19. The bas-reliefs covering the pillars and cross lintels represent scenes described at length by General Cunningham and Mr. Fergusson.

The subjects are generally as follow:-

I .- The dream and conception of Maya, the mother of Buddha.

II .- Prince Siddartha's trial of the bow,

III .- Prince Siddartha's life, Palace scenes, love scenes, social life.

IV .- Prince Siddartha witnessing the four predictive signs.

V .- Prince Siddartha's departure from Kapila.

VI.-Buddha's visit to Uruvilwa Kasyapa. VII.-Boat scene and Buddha's Nirvana, VIII.-Worship of topes, trees, symbols,

IX.-Worship of trees, by animals, X .- Siege of a city and relic capture.

XI.—Relic processions.

XII.—Triumphal processions, XIII.—Besides these historical records there are panels of flowers, animals, and garlands, treated in a conventional manner, showing Greek and Persian origin.

20. As regards dress, it is noticeable that the women are represented naked; a simple girdle of beads or jewels round the loins is in many cases the only covering. The hair is plaited down the back in a most elaborate fashion. They wear jewellery, such as earrings, necklets, and bangles for both arms and ankles. The men are generally draped below the waist and sometimes about the shoulders with the right arm left bare. Their turbans are elaborately tied and sometimes jewelled.

21. In one sculpture, representing the worship of a tope, the men are evidently strangers, apparently from the north, and are clad like the inhabitants

of the Himalayas,

22. The arms represented include spears, bows, swords, battle-axes, and shields. Chariots are shown drawn by four horses abreast, and by one or more pairs. Elephants are furnished with handsome trappings, howdalis, and bells, as they are at the present day. Horses are depicted with head-plumes, and harnessed much as now, both for riding and driving. We see women drawing water, husking and winnowing coen, making chappatties in the primitive method still practised in India. Ascetics are shown hewing wood with axes and using the bangliy. A boat is represented, sewn together with hemp or back, precisely as in many parts of India at the present day. Beds, like the ordinary charpoy, ornamental seats or thrones and footstools are used.

23. Of musical instruments, one may observe the drum, long horns (like those blown now-a-days in temples), flutes, guitars, harps, and the double Roman pipe-

24. Banners appear with diagonal stripes like the British Union Jack | garlands and emblems upheld by long poles, and umbrellas of State are carried in

procession.

25. The Buddhist sculptures of Gandhara found on the frontiers of Afghanistan are of about the same period as the Sanchi bas-reliefs. In them we see the effects of the Greek and Persian artistic influence, which filtered throughout India. Although more refined in execution and design, and more classical in style, they give us no such varied pictures of manners and customs of India, eighteen hundred years ago, as we have here.

Appendix F.

Gwalior.

(The Illustrations are from Photographs reproduced by Heliogravum.)

r. Until recently Gwalior was an out-of-the-way city, the old mail road between Agra and Bombay passed at a distance from the fortress, which was rarely seen except by those whose duties located them at Morar or by an occasional traveller. The railway, bringing Gwalior within four hours' journey. from Agra, tends to a greater influx of visitors and to a greater interest in and knowledge of the rare antiquities of the fortress and surroundings. These became rained from age, neglect, warfare, and military occupation, but I regret to record that travellers removed stone carvings, pieces of coloured tile-work, and other fragmentary relies, whilst a few years ago whole columns were taken to adorn gardens in Morar, and stones found their way to places even beyond. At the time of my visit in November 1880 the late Colonel Willoughby. Osborne, Resident at Gwallor, was interesting himself in the preservation of antiquities. Major (then Captain) Keith, an officer of the Royal Scots quartered in the fort, had, with the aid of a committee composed of Colonel Osborne, General Gordon, commanding at Morar, and Major Crowdy, R.E., Executive Engineer, and a grant of Rr,000 from Cantonment Funds, succeeded in rescuing the fine temple known as the Teli-ka-mandir from ill-treatment as a soldiers' coffre shop, also in collecting some of the scattered scalptures.

2. I recommended Colonel Osborne to continue such work and to ask the Agent to the Governor General in Central India to apply to the Supreme Govment for Major Keith's services as well as for a grant of R5,000 for the follow-

ing works :-

Rescue of carved pillars and stone fragments from the debris surrounding so many of the monumental latildings of the fort.
 The collection of these carved stones at the Tell-ka-mandir.

(3) Cleaning the beautiful stone carvings of the temples called the two Sas Hahn and the Teli-ka-mandir, the removal from them of the plaster put on by the Muhammadans, and the cutting away of destructive vegetation.

(4) The removal of the coats of whitewash from the carved trellis and

masonry of the courts in the Man Mandir Palace.

 The appointment of Major Keith and a grant of R5,000 having been sanctioned by the Government of India, work commenced, and that officer has been

engaged at various seasons on it up to the end of 1883.

4. I visited Gwalior in July 1881, and found the cleaning of the sculptures in the temples to have produced the most satisfactory results. I reported accordingly, and made some suggestions to Sir Lepel Griffin, who, as Agent to the Governor General, has taken practical interest in monumental preservation in Central India. I again went to Gwalior in March 1882. The courts of the Man Mandir Palace had been evacuated by the Commissariat, and cleaning, removal of whitewash, rumoval of modern partitions, and general repairs had progressed satisfactorily. The Teli-ka-mandir and two Sas Bahn Temples were still in hand, and repairs progressing to their roofs and towers. Approaches had been made to some of the Isian caves in the face of the rock outside the fort.

and Major Keith was busy collecting and arranging fragments of sculpture in

the enclosure around the Tell-ka-mandir.

5. In May 1882 His Highness the Maharajah Scindia contributed R4,000 for repairs, this sum being supplemented by a grant of R2,500 from Imperial funds. Colonel Bannerman and Colonel Berkeley, who have successively been Political Residents at Gwalior, as well as Generals Gordon and Dunham Masay, commanding at Morar, took much interest in Major Keith's work, and did what they could to promote it.

6. The following may be consulted for information about the Gwalior anti-

quities >

Vol. II of the Archæological Survey of India, by Major-General Cunningham; Mr. James Fergusson's History of Indian and Eastern Architecture; Monsieur Rousselet's India and its Native Princes, and Major Keith's Report on the preservation of Gwalior Monuments (obtainable from the Superintendent of Government Printing in Calcutta).

I will therefore confine myself to describing the accompanying plates.

PLATE No. 1.- Jain Statues.

7. The statues represented in the plate are those on the south-east face of the fortress and excavated in the steep cliff below its walls. All the Jain rock sculptures of Gwalior were mutilated by Baber in A.D. 1527, only 60 years after they were made. They are unique in Northern India for gigantic size and carious as showing how the primitive custom of rock excavation was handed down to mediaval times. The south-east group is by far the largest and most important of all those cut in the Gwalior rock. Although the excavation here depicted is incomplete, the figures themselves were perfect before Baber's time. Their ornaments and canopies are still of the most elaborate designs.

PLATE No. 2.-Palace, Fort Gwallor,

8. This is one of the most remarkable. Hindu palaces extant in India, and was commenced by Raja Man Singh between A.D. 1486 and 1516. The Gwalior Fortress situated on a steeply scarped elongated hill runs north and south: one mile and three-quarters long, and of a width varying from 600 to 2,800 feet. The old city of Gwalior lies at the foot of the hill to the portly, Scindia's modern city, the Lashkar, being to the south at a distance of about a mile.

g. The palace stands on the east face of the fort, 300 feet above the plant It enjoys a commanding view of the country and is a conspicuous object for miles. The east face of the Man Mandir shown in the plate is 300 feet long by about 80 feet in height, broken at intervals by six massive round towers with

domes.

to. The entire front, with its successive additions by Vicramaditya, Jahangir, and Shahjahan, is not included in the view, but the more picturesque and earlier portions of the palace are shown, commencing on the left with the Hathyar Paur on Elephant Gate connected with the façade of the buildings in which Raja Man Sing resided.

it. The courts of the latter were recently occupied as Commissariat stores. out are now cleared, repaired, and cleaned, so that their singular architecture can be admired and studied. Drawings of the latter have been prepared in my office as well as elevations of the south and east façades of the palace, drawn to

a scale of four feet to the inch, and coloured to show the various ornamental bands and niches of tile-work. The heliogravurs presents a good idea of the cutling of the building, but it is not possible to give a correct impression without the aid of coloured plates. The tile-work is still perfect on portions of the walls and very brilliant with designs of plantain leaves, figures, animals and bands of ornament in red, blue, yellow, and green. A good deal of the glazed enamel has however become detached.

13. The architecture, which in the walls of the Man Mandir is purely Hindu and, in its domes, of Moslem origin, supplies an early instance of the endeavour to blend the two styles—later on accomplished with so much success in the

Emperor Akbar's buildings.

13. Baber visited Gwalior in 1527 A.D. He describes the domes as having been covered with plates of copper gilt. He also states that the front of the palace was originally covered with stucco, which, as General Cunningham observes, has fortunately fallen off and left the whole front of the fine natural

tint of the light-colour Gwalior sandstone.

14. Although much has been done to repair the interior of the palace, more is necessary to secure the south and east fronts from falling into greater dilapidation. If restoration be avoided, this can be done at a moderate cost; it being merely necessary to strengthen and tie those portions that are out of plumb or insecure, and to prevent rain and vegetation from doing mischief to the walls and roofs.

PLATE No. 3.-Interior of the larger Sas Bahu Temple.

15. There are two temples called "Sas Bahu"—the larger built in the shape of a cross too feet by 63 feet; the entrance is to the north and the sanctum to the south. The whole is greatly ruined probably the result of the Muhammadan occupation of the fort in the thirteenth and fourteenth centuries. The tower of the sanctum is entirely gone and the superstructure of the central half much damaged. But in spite of dilapidation the fine appearance of the original structure is not difficult to picture. The building dates from the early part of the eleventh century. Unlike most temples of its class and period the Porch is provided with two stories. In other respects—in the form of the columns, their bases and caps—in the domes of horizontal courses and treatment of the roof, the temple resembles those at Chittore, at Khajuraho, at Udaipur, and at Nagda. The appearance of Brahminical sculptures shows it to have been used by Hindus, but this is no proof that it was unused by Jains, as sculptures of both sects occur in the same building, as for instance in the Jain Tower and Jain Temple [the latter called the Sanga Chaori] at Chittore,

16. The temple was occupied by the Muhammadans, the Hindus excluded, and the sculptures partly mutilated and partly covered with stucco. Major Keith has removed the chuna and whitewash, the beautiful carvings being now revealed. He also made the roof weather-tight and strengthened the exterior masonry. General Cunningham had in 1844 propped some of the cracked beams, repaired the broken plinth, and added a flight of steps to the entrance.

PLATE No. 4.-Jama Masjid, Gwalior.

17. The Jama Masjid is below the northern end of the Gwalior Hill near the Alamgiri Gate. It is built of light-coloured sandstone and a Javourable specimen of late Mogul architecture. The date, according to Sir William Sleeman, is A.D. 1665. The Muhammadans tried to ruse subscriptions for its repair, but failed.

PLATE No. 5 .- Modern Mausoleum.

18. The Chattris of the Scindias in the new town are of solid construction and beautiful design. The example illustrated unites an unusual simplicity of outline with great elaboration of detail. Excepting some of the buildings at Udaipur in Raiputana, this is one of the most successful modern princely buildings I know in India. Unfortunately it is thought necessary to periodically whitewash the walls, and the sharp outline of the sculptures is disappearing.

PLATE No. 6.-Shop Front, Lashkar-Gwalior.

19. Many of the shops in the principal street of the Lashkar are decorated with projecting balconies of carved stone pillars and screen work. Although whitewashed like everything else, the houses are most picturesque and pleasing in appearance. Such architecture is capable of application to modern Indian banans, and furnishes models for the various municipalities that are now trying to introduce improvements throughout the Empire.

Appendix G.

Chillorgarn in Meywar-Rajputana

(The Illustrations are from Photographs reproduced by Heliogravare.)

1. Chittore is over 60 miles north-east of Udaipur. It was little known to Europeans, being in the heart of Rajputana, until the Maiwa branch of the Rajputana-Malwa Railway brought it within twelve hours of Ajmir.! The station is about half a mile from the present town, beyond which towers the ancient fortress on a hill 400 feet high and three miles long by half a mile wide. The ascent is a mile to the upper gate with a slope of about one in fifteen.

2. Bappa, the ancestor of the present Meywar Rana, established himself at

Chittore in A.D. 728.

3. The hill is enclosed by a fortified wall and covered with the remains of palaces, temples, and tanks. A description of Chittore, in the Koman Rasa, or story of Rawat Khoman, written in the ninth century A.D., runs as follows:—

"Chutterkote is the chief among the 84 casties renowned for strength; the hill on which it stands rising out of the level plain beneath, the Tilac on the forehead of Awini (the earth). It is within the grasp of no foe, nor can the vassals of its chief know the sentiment of tear."

"Its bowers of defence are planted on the rock, nor can their immates even in sleep know ahrm. Its kotars (granaries) are well filled, and its reservoirs, fountains, and wells are everiflowing."

"There are 84 barraces, many schools for children, and colleges for every kind of learning; many scribes of the Breaker tribe, and the 18 varieties of artisans."

4. The Moslem invaders of India made an attack on the fortress as early as A.D. 836, but the first sack of the stronghold took place about 1303 A.D. under Ala-ud-din Khilji. To commemorate a brilliant victory over Mahmud of Malwa, the Rana Khambo erected the great lower in Chittore, and from the commencement of that prince's prosperous reign (A.D. 1440) much attention was bestowed on the architecture of the country. Bahadur Shah of Gujerat sacked Chittore for the second time in A.D. 1533, and 35 years later the third sack was conducted by Akbar. Since then the buildings have been left unrepaired and the capital moved to Udaipur.

5. Besides the two towers there are some 30 tanks and wells in the fortress ten principal temples as well as numerous palaces. The whole area needs careful investigation and survey, more specially as the Maharana of Udaipur has commenced to repair the various buildings in which he may well take a pride.

Sir Thomas Roc passed it in 1015 A.D., on his way up country, but there are seem to have been

admitted to the feetress

*See page 502, vol. II. Ted's Rejeathan.

*We are told in Ted's Rejeathan (page 275, vol. I.) that the complex and palaces seem displicated, and to complete the tourillation of the Reput city Akhar's break her of all the symbols of regulty; the Nakaras are grand lettledound) whose representations provide make a found the entrance and call of her princes, the candidates from the shrine of the "great author" who give Rappa Rascal with the assert with which he competed Chiltines, and in modernly of her among the posture to shown his projected capital Arbertalant. A pair of doors known as the Chilton gate may will be seen in the projected capital standards. A pair of doors known as the Chilton gate may will be seen in the Spal's Toub at Afmir, where Akhar huilt a motours. The maker khana or hand lours of Khaja Spal's Toub at Afmir, where Akhar huilt a motours. The maker khana or hand lours of Khaja Spal's Toub atlit contains two hours drawn presented by Akhar, also a going a portion of the straits of Chilton, whilst the actual bomb of the same has a pair of sandaloused doors taken from the fortress.

Bishop Hober in February 1825 paid the fortress a visit "which," he writes "was a great favour as it is a thing of which they are very indicar and which probably not ten Europeans had seen out of all the number who have visited and fixed in India."

PLATE No. 1 .- Jain Tower of Sri Allat. View from the South.

 Major-General Cunningham, Director General of the Archæological Survey in India, in 1871 unearthed some Jain statues at Muttra, which were ascertained to date from the time of Kanishka (f. c., A.D. 85 to 120), and these appear to be the earliest traces of Jainism yet discovered. Jain architecture attained great perfection between 1000-1200 A.D. at Mount Abu, at Girnar, and elsewhere, but the singular point about the style is that so little is known of

the process of its development.

7. The tower of Sri Allat supplies a very important intermediate example dating A.D. 896, and is dedicated to Adnath, whose representations are repeated many hundred times outside the building. The height of the structure is 76 feet, but was probably 80 feet to the original apex of the roof. A central staircase winds up a square shaft through six stories to the lantern on the top. Sculptures and mouldings cover the exterior from the base to the summit, rendering the appearance most elaborate and picturesque. Many of the architectural forms and details are found to be repeated in Indian temples of a later date. Its preservation is therefore important; not only is its architecture reflected in the monuments of Chittorgarh itself, but it supplies important evidence of how the Jain style grew anterior to its period of greatest perfection.

8. I have had this building carefully surveyed, and reported in detail on the

repairs necessary.

PLATE No. 2,-Tower of Victory built by the Rana Khambo. ditto. Detail of Lower Ditto PLATE No. 3-Portion.

q. The most prominent monument of the hill is the Pillar of Victory erected by the Rana Khambo in commemoration of the defeat and capture of Mahmud

of Malwa in A.D. 1439.

to. It is said to have cost go lakes of rupees, and was constructed between A.D. 1442 and 1449. Built throughout of stone, and measuring 30 feet wide at the base by nearly 130 feet in height, the tower is in itself a striking object, whilst its position on the summit of the Chittore Hill gives it the advantages of command over the surrounding country. The style is Jain and resembles that of the smaller Jain tower which as far as is known is the earliest monument of the Chittore fortress.

11. In the older example the height is under 80 feet and the central staircase winds up from base to summit through a central shaft divided up into six floors.

12. In the present case there is a height of nearly 130 feet (the present dome obscures the actual termination of the original root), and the staircase passes up the tower through nine floors. The architect was not content with a single central well. The second, third, fourth, lifth, sixth, and seventh floors have each a square compartment in the middle surrounded by a gallery up both of

which the stairs wind alternately.

13. Each story is lighted by trellis windows, and the angles and recesses not intersected by steps are utilised for sculptured statues and ornaments. The exterior surface of the tower is broken up into nine principal divisions, each furnished with its windows, balustrades, and caves or chujjas and emphasized by columns, pilasters, and numberless horizontal bands or cornices. The whole is covered with sculptures, and most of the gods of Hindu mythology are represented wherever niche or panel occurs. The present dome is a modern repair. Mr. Fergusson saw the tower in t839 with its original Jain roof.

PLATE No. 4.-Ahar-ki-Darwaza,

t4. Near the Tower of Victory stands a fine stone temple, the Mokul-ji-ka-mandir—dating from the 15th century A.D. The exterior is admined with elaborate and interesting friezes of figures which appear to depict real scenes in history. North and east of this temple are two gate buildings, that to the east, here represented, opens into the street of the Sindhi Baxar, and the mud houses which encroach on it right and left might with great advantage be removed. The architecture of the gate is purely Hindu; the delicate carvings are applied with taste, but vegetation is destroying the fabric, which, unless speedily strengthened, will fall to the ground.

Appendix H.

Palace at Udaipur in Meywar, Rajputana.

(The Illustrations are from Photographs reproduced by Heliogravure.)

1. When Udaipur was founded by the Rana Udai Singh in A.D. 1558, he conneived the idea of creating an artificial lake, on the margin of which to build a palace. The Arwali mountains, the great feature of Meywar, surround the locality, and by raising a dyke or bund across the beautiful valley, streams were dammed up to form the Pachola Sagar. The city, which can be now reached from the Raiputana-Malwa Railway at Nimbahera, a distance of 64 miles, is situated on an elevated strip of ground parallel to the shore of the lake, and crowning the ridge stands the palace over 100 feet in height.

2. The pile of stone and marble grown by the various additions of succes-

sive Ranas presents a most picturesque and imposing appearance.

3. In the midst of the lake which the palace overlooks are two island residences, the Jagmandir and Jagnavas, and but for their domes, kiosques, and palms, the view reminds one rather of the English lakes than of an eastern

valley.

4 The Udaipur Palace consists of a group of buildings dating from A.D. 1594 to the present day. The first gateway leading from the city was built by Partab Singh in 1594 A.D.—a plain unpretending-looking Hindu structure surrounded by crenelated walls; beyond this is the Tirpolia or Triple doorway of graceful Hindu-Sarascenic architecture built by Sangram Singh, in 1711 A.D.; to the left or west of the intervening courtyard are a set of 8 Toraus or trium-

phal arches erected by successive Maharanas.

5. Passing under the Tirpolia one comes in view of the picturesque western façade of the palace. The Bari Mahal or great court is marrest on the right or east. It was completed in A.D. 1597 by Amara Singh I; consists of five stories, and has a handsome superstructure of marble fancifully wrought into corbelled windows and trellis screens. The superstructure or apper story rests on a marble string-course carved with bas-reliefs of elephants. The palace is confronted by a long terrace and colonnade where the Rana's elephants are kept.

6. Leaving this, one passes a plain and lofty building surmounted by domes and cupolas, used by the zenana. Further on to the south is a picture-sque palace of Karan Singh's time A.D. 1616, and beyond this again the Maharana's

modern residence.

7. The upper story of the Bari Mahal contains an open garden called the Amar Belas, completed by Amara Singh II in A.D. 1711. It is surrounded by marble trellis, hiosques, and pavilions with handsome doors ornamented with ivory (see Plates 3 and 4). In the centre of the court is a tank encased with

hage slabs of marble.

8. The Bari Mahal possesses a number of courts, galleries, and halls built in excellent native styles, but it is curious here and there to see evidences of European influence. One room dating A.D. 1716 is lined with Dutch tiles representing windmills and skating scenes of Holland, Biblical subjects, &c.; another dating A.D. 1857 has glazed niches in the walls filled with English China figures and Bohemian glass. Another room is faced entirely with Chinese plates of the old Willow pattern.

PLATE No. 1 .- Jalnavas in the Palace.

9. The Jalnavas, or "fountain palace," was built in A.D. 1828 by Jawan Singh close to the margin of the lake, and forms a ghat for landing or embarkation. The columns are square and of a plain Hindu design, the wall at the back being decorated with coloured glass mosaic representing figures of women and the Rajput peacock. Water channels and fountains edge the wall and render the pavilion cool and pleasant.

PLATE No. 2.-Coloured Glass Mosaic in the Palace.

10. Glass mosaics are in great favour at Udaipur and occur in the Island palaces of Jagmandir and Jagnavas, both of which were commenced about A.D. 1623. A court of the latter has recently been decorated in a very tasteful manner with this work.

11. Shah Jahan built a Shish Mahal in the Agra Fort (1637 A.D.), and very beautiful examples of mirror mosaics exist in the palace of the Jaipur Rajas

at Amber dating probably from 1630 A.D.

12. The work became popular with the Sikhs at Labore and Amritaar, but lost some of its earlier refinement. The hest gless mosaics I know are at Udaipur and Amber. The designs at the former place are of great delicacy, and besides floral patterns include representations of figures in brilliant colouring.

13. The mirror throne in the plate is very rich and sparkling. Situated in the centre of the western front of the palace it overlooks a court to the east, the walls of which are adorned with peacocks in niches rendered in glass mosaic.

PLATES Nos. 3 & 4.-Wooden Doors, of the Bari Mahal, inlaid with Ivory.

PLATE No. 5.-Wood and Ivory Door in the Chandre Mahai,

14. The upper story of the Bari Mahal, which, as previously stated, is an open court containing a garden, has several handsome wooden doors, two of which are here represented. An apartment in another part of the palace, called the Chandre Mahal, has also some well designed doors, one of which is the subject of the third plate. In describing the doors of the Darshani gate at Amritsar, I have endeavoured to show how Indian marquetry developed from the famous Somnath gates, of the early part of the 11th century A.D. down to the work of to-day. The old Punjab cities possess a variety of beautiful mediaval doors carved in wood, and at Conjeveram in the south the Brahmin quarters are full of wooden portals of excellent execution and design. It is by the study of such examples throughout India from north to south that the art of the wood-carver and in-layer can be regenerated,

15. The doors here represented are in disrepair and require to be taken care

of, or they will fall to pieces.

Appendix I.

Illustrations of Graco-Buddhist sculptures from the Yusufzai District.

(The Plates are from Photographs reproduced by Heliogravure.)

1. With the permission and assistance of the Punjab Government, I directed some excavations on the Swat and Buneyr frontiers, in the Yusufzai District, during the winters of 1883 and 1884. A large number of Graco-Buddhist sculptures were discovered from 12 ancient monastic sites, and having been arranged in groups, according to the buildings they belonged to, the Lieutenant-Governor, Sir C. Aitchison, presented them to the Museums at Lahore, Calcutta, Madras, Bombay, and Rangoon. They have all been photographed, and a selection of the best subjects, together with illustrations, furnished by the Director-General of the Archaeological Survey of India, of previous explorations will be published in a work under preparation by General Cunningham and me, to be

called the "Buddhist Sculptures of Gandhara."

2. Before describing the sculptures here illustrated, I venture to make some general remarks on the singular character of their architecture and ornament. The first impression given by a mere glance at any of the carvings is the strong influence of Greek art; but when we come to carefully analyse the whole subject; the composing elements are curiously mixed. General Cunningham has described at some length the Graco-Bactrian architecture of Yusufzai, and those who desire to form their own conclusions would do well to study the Archieological Survey Reports, Vol. II and Vol. V; also to read Mr. Fergusson's chapter on the Gandhara Monasteries in his "History of Indian and Eastern Architecture." Of this, however, it is quite certain that Alexander's invasion left a strong impression on the art of Northern India. The use of Greek forms of ornament became general in the Cabul Valley, in the Upper Punjab, and in The Corinthian order reproduced itself all over Yusufzai, the Doric order in Kashmir, and the Ionic order at Taxila (Shahderi, between Attock and Rawalpindi). But Alexander had conquered Persia before he penetrated to the Indos, and he seems to have confirmed in India a knowledge of the palaces at Persepolis. The Indo-Persian capital is frequently found in Yusuizai; it occurs also in Madras, at Amravati, in Bombay, in the Bedsa and Karii caves, in Bengal, at Buddha Gaya, and in Central India, at Bharbut and at Sanchi, Whether Persian and Greek art had made itself felt in India before Alexander's time is hard to say, as our previous knowledge of the country is at present so meagre. The Fort at Ranigat in Yusufrai has all the appearance of great antiquity; the walls are very massive, and constructed of large blocks of hewn granite laid carefully as headers and stretchers. Many of the stones are over 6 feet in length, and mortar of very great hardness is used; but instead of being pointed, the joints are filled with thin slabs of stone or slate. The main entrance is a pointed archway cut in the horizontal layers of stone walling, and rigzaging into the body of the stronghold, probably joins a similar passage on the west. The arch, instead of finishing in a point, has a rectangular termination similar to the section of an aucient Etruscan tomb at Core1 dating from many centuries B.C. It might be hastily concluded that the pointed archway at Ranigat is Saracenic, but the interior of the Fort has

I See Vol. I, Fergusson's History of Architecture in all countries, page 264.

remains of several Buddhist Topes with sculptures in stone and plaster resembling those ordinarily found elsewhere in Yusufzai, and dating from about the commencement of the Christian era. I obtained a collection of 9 pieces during my visits. The Ranigat gateway, therefore, completely proves that pointed archways were in use in Northern India before the birth of the Prophet. The antiquity of Ranigat is a subject for speculation. General Cusningham endeavours to identify it with the Fortress of Aornes which Alexander captured about 326 B.C., and it this identity could be established its architecture would supply an important sequence to the very early Pelasgic art of Greece. A gateway at Thorieus in Greece, dating from about 1000 B.C., resembles the Ranigat entrance in the curvilinear form of doorway, as well as in the horizontal construction. Another circumstance connected with the Græco-Bactrian architecture of Yusufzai is the appearance of hemispherical domes built on the principle of borizontal layers. The dome of the Freasury of Atreus at Mycenæ, which is a very antique example of Pelasgic art, in noticed by Mr. Fergusson as that adopted by the Jaina architects in India; and the Treasury or Granary which I discovered among the Sanghao ruins seems to me to form a most important link between the Pelasgic Treasuries at Mycenae and Jaina architecture, and shows that the mode of raising a semicircular dome on a square chamber by corbelling out the corners of the square and forming an octagon found its way to India before either the Jains had commenced their wunderful system of constructing domes over pillars, or the Muhammadans had introduced their elaborate methods of doming over square chambers. I know of no other example of a square chamber, corbelled out at the corners and domed over, that is not Muhammadan. It has generally been assumed that a construction such as appears in the Sanghao granary is to be traced to Muhammadan architects. Here, at all events, is an example which completely upsets the theory. The masonry resembles that used in all the Buddhist monasteries in the neighbourhood, some small windows and niches in the walls are of unmistakeable Buddhist architecture and the building is above, and quite close to, the group of structures where two coins of Kaniskha's A.D. 80-110, and one of Gondophares, A.D. 30-60 (who is said to have killed St. Thomas) were found, It is, therefore, tolerably certain that the date is not later than So A.D., and may be much earlier. The Asoka Inscription at Shahbargarhi is certainly 250 RC. and from this time until the Muhammadans overran the Peshawar valley in the eighth century A.D., the Buddhist and Hindu religions held the upper hand ! Whilst the Yusufzai antiquities furnish good structural examples of early forms of Graco-Bactrian architecture, their sculptured bas-reliefs often contain represent buildings and their ornaments. Perhaps the most striking architectural features that adorn the Gandhara Monasteries are to be found in their statuary and Corinthian capitals of columns and pilasters. General Cunningham brought away a remarkable series from Yusufzai, some of which are in the Calcutta Museum and some in the Lahore Museum. No capitals of any size were discovered by me, but a small pilaster and several small hases and capitals of columns were found at the various sites explored; all are unnitstakeably classical, and executed with delicacy and taste. In the Yusufzai ruins we have, therefore, a basis of indigenous art adapted to the requirements of Buddhist religious ordinance, and flavoured with reflections from the Greek and Persian orders of architecture. Besides this, we have artistic representations of no mean order, of the Buddhist tales and fables which are associated all over India and Buddhist countries with the life of Gautama.

^{*}Feelshin says that the Maslenin greatly increased in A.D. 750 and obtained possession of Personner. They were reinforced by the tribes of Gher, Khilli and Kubul just become provelence to Library.

PLATE No. 1.-Sculpture from a mound near the village of Mahomed Nari.

3. The elaborate piece of carving represented was found by Mr. Dempster, C.E., Executive Engineer, Swat Canals, and he kindly allowed me to have it photographed. In the upper right-hand corner we have a very perfect representation of a hemispherical dome on pillars with Corinthian capitals. Whether the domed roofs were of actual leaf seems doubtful. The columns below are certainly taken from stone models, and the domes may have been of stone with a leaf ornament applied to the surface. A somewhat similar domed building is represented in a bas-relief of the railing of the Bharhut Tope in Central India, the date of which has been ascertained by General Cunningham to be 150-170 B.C. Over the head of the right-hand figure is the Buddhist arch, pointed at the top, but circular inside, and it reproduces what is familiar to us in the Buddhist caves in Bombay-in various Buddhist scalptured and painted representations of buildings and in the monolithic Vibaras adapted from Buddhist architecture by the Hindus at the Seven Pagodus in Madras Whether Venice truding with the East got the hint from India or not, the circular archways in the upper part of St. Marks at Venice (dating from the eleventh century A.D.) resemble this Buddhist arch, and have the same pointed termination outside. We have also in this scalpture a tolerably perfect representation of a chapel or niche enshrined in a tretoil arch. The column on Buddha's left is distinctly Indo-Persian, as may be seen by comparing the capital with those at Persepolis. Dentils of a classical form enrich the various mouldings and the rail here used ornamentally is copied from the railings which usually surround Indian Buddhist Topes. General Cunningham has given me the following note: "The small figure at the top represents Buddha on his horse Chanda leaving his home by night. The central figure is Buddha teaching, with a royal figure standing on each side. Below is a row of eight Buddhas.

PLATE No. 2.-Group from the Monastery at Sanghao.

The site where the sculptures were dug is perched on a steep spur, and was the first excavation done under my superintendence in January 1883. The building revealed two distinct periods, and consists of a basement containing small topes, and of a superstructure of plain apartments, built obliquely over the basement apparently without reference to its plan.

The realptures were found in the basement and belong to the older period; coins of Kanishka, A.D. 80 to 120, were found in the superstructure and belong to the more modern period. Since the photograph was taken, I have pieced many of the fragments together, and so rendered the subjects more intelligible.

The collection is for the Labore Museum.

PLATE No. 3.-Figure from the Monastery at Sanghao.

This is a very curious piece of sculpture. The subject occurs again in a small stone knob! found among the rulus at Saughao, and a similar, although more broken, statuette was uncartbed at the same place. The subject occurs again in a fragment dug up at the Upper Monastery at Nuttu. The representation is evidently traceable to some legend. General Cunningham identifies the figure as Maya, the nighter of Buddha, being carried up to the Trayastrinshia Heavens after her death, where, it is said, she was "born again." The mode of representing this legend is suggested by the famous statue, by Leuchares

A General Comingham found a stone statue of a prince at Jamelgachi, and in the head-dress is a knob or plane, with a seeman and capte. The carrier is in the Calcutta Moscom.

(B.C. 326, when Alexander's influence was being felt in India), of Gauymede, being carried off by Jupiter's Eagle.

PLATE No. 4.-Group from the Monastery at Sanghao.

No. 1 is a fragment of a panel showing figures with joined hands. No. 2 is another representation of Maya and the Eagle. No. 3 is a small pilaster, with a Corinthian cap and the shafts ornamented with figures. This pattern of column is very often met with in Yusufzai. No. 4 represents a doorway with a castellated superstructure. The figures in the entrance appear to be welcoming a person of distinction. No. 5, aman holding a knife or dagger, kneels over a lying figure. A very Greek-looking warrior stands behind with spear and shield. A figure with uplifted hands stands under a tree (date-palm, Phanix Sytnesters, often to be seen in Yusufzai). No. 6. Here Buddha is represented being welcomed by some people outside a walled town or eastle. One figure is prostrate at his feet.

PLATE No. 5.—Groups from the Monasteries at Sanghao and the lower site at Nuttu.

The fragment on the left represents Buddha on a throne supported on lions. He is surrounded by numerous supplicants. The centre sculpture represents a chapel or small temple. In the upper part of it is the famous triple ladder, or flight of steps, by which Buddha descended from the Trayastrinsha Heavens accompanied by the Gods Brahma and Indra. At the foot of the steps is the nun Pandarika, who had been changed to a man by Buddha, who was aware of his wish to see him. Under trees is the worship of Buddha a turban and hair. The sculpture to the right represents a standing figure of Prince Siddhartha, with an umbrella over the halo round his head; a woman is on the right. The lower sculpture on the left represents Prince Siddhartha and his wife Yasodara. They are seated on a throne in a Palace. The Princes has a wreath in her left hand. Columns with Corinthian capitals support circular arches on each flank. Several figures are represented in an upper galiery. The two fragments in the right-hand corner form part of a frieze, in which are represented the Nirvana of Budha, and a fire-altar which may have represented the prophet's funeral pile.

PLATE No. 6.-Sculptures from the Lower Monastery at Nuttu and Monastery at Sanghao.

The upper piece represents a chapel or niche with Buddhas and disciples. In the centre is a part of a frieze with small relic-ollars. Below are two fragments of a circular band with sculptures of figures and ascetics.

PLATE No. 7.-Group from the Monastery at Sanghao.

No. t is a representation of Prince Siddhartha before he left his home to become a mendicant. The head and shoulders are slone preserved. The Prince come a mendicant. The head and shoulders are slone preserved. The Prince wears an elaborate turban with plame, a necklet and necklace with dragon-head-wears an elaborate turban with plame, a necklet and necklace with dragon-head-wears. On the halo around his head is highly ornamental, with an edging of flowers. On the right is a small figure with turban and plame in an attitude of homage.

Nos. 2 and 3 are fragments of a circular frieze of boys and garlands. Nos. 4 and 6 are small pilasters, such as were used to separate panels of sculpture.

No. 5 is a fragment, the principal figure being a woman holding a small mirror. The presence, behind, of Devadatta and his club, indicates that some plot was probably being laid for Buddha.

PLATE No. 8.-Sculpture from the Monastery at Sanghao.

This is one of the panels placed between pilasters to surround the topes of the monastery. It represents Buddha's visit to the king and queen of the Nagas or snakes; Devadatta, Buddha's hostile cousin, stands on the left with the usual club in his hand. The meaning is that Devadatta has entrapped Buddha into visiting Nagas in hopes of their putting an end to him, but the divine influence is too strong, and they worship him. Devadatta, enraged at his want of success, bolts up the mountain.

PLATE No. 9.—Sculpture from the Monastery at Sanghao.

This is part of a frieze with pilasters at intervals. The stone has become

much decayed on the surface.

The subject is the visit of Buddha to the emaciated Tirthika Uravilwa Kasyapa, an ascetic who lived in a forest of bael trees. On Buddha's left is his emisin, the evil-disposed Devadatta. Beyond Uravilwa is a very life-like figure of an ascetic bowed down in contemplation.

PLATE No. 10.-Group from the Upper Monastery at Nuttu.

Although covering a small area of about 80 feet by 60 feet, this site yielded some very interesting and elaborate atone sculptures, most of which were found round two small central topes. Pieces of plaster figures were also found. The two topes have a diameter of 10 feet, and with their domes and test or finishs, would have been about 20 feet above the floor level of the monastery. I have been able to piece many of the fragments represented in the plate, and the whole collection, arranged in small boxes, is intended for the Imperial Museum in Calcutta.

PLATE No. 11.-Fragment from the Upper Monastery at Nuttu.

This represents the birth of Buddha under the Sål tree in the Lumbini Gardens. The birth occurred when Maya was travelling from Kapilavastu to Koli, and in a garden of Sål trees called Lumbini. On Maya's right should be Brahma receiving the young prince who was born from Maya's right side; and beyond him Indra. This half of the panel is missing. Maya is standing under a tree; her right hand raised and holding one of the branches; her left hand is round the shoulder of her sister: beyond is a female attendant holding a chaori of State, and above is a harp emblematic of Heavenly music.

I discovered a very perfect representation of this subject from a small tope

at a place called Marjan.

PLATE No. 12.-Fragment from the Upper Monastery at Nuttu.

This is part of a frieze of panels separated by Corinthian pilasters, and represents a scated figure of Buddha surrounded on the right by laymen of rank, and on the left by females. Buddha is shown with monstaches, which is never done in the sculptures that I have seen in other parts of India. The halo around his head is fringed by the foliage of the Jack tree (Arto carpus integrifolia) which is not local in Yusufzai. The palms at the sides are the date-palm (Phanix

Sylvestris). The water vessel held by the women has a round handle on the top, also a spout, and resembles vessels in the Bharbut scalptures (B.C., 150-170) being one of the many proofs of the antiquity of the Yusufzai buildings.

PLATE No. 13 .- Group from the Upper Monastery at Nuttu.

The three upper pieces are small supporting figures or caryatides, and show

variety in the attitudes.

The frieze below probably represents, in part, the procession of the four kings to present their bowls to Buddha. On the right is a broken representation of a seated Buildha, with a bowl in front and two kings offering him two smaller ones. The horses have bridles and head-stalls, which were not used in India until after Alexander's invasion.

PLATE No. 14.-Sculptures from the Upper and Lower Monasteries at Nuttu

The cremation of Buddha's body is, I think, represented in the first sculpture. To the left is the worship of remains of some kind on a couch, surmounted by an umbrella of State, and to the right a fire-altar being fed with oil by two men with hoods similar to the two figures holding staves in the death of

Buddha, Plates 16 and 22.

The second sculpture has several interesting points about it. The style of ornament is Graco-Roman, like the sways or garlands which decorate the entablature of the temple of Vesta at Tivoli, dating 70 B.C. The garland has a Buddhistic significance, and to this day garlands of cloth are carried in procession in Burma to adorn topes or sacred trees. They are frequently represented in the Bharhut and Sanchi sculptures, and seen depending from the sacred Bodhi tree and placed round topes. Two of the figures behind the garland have wings, and play a guitar, and gong or tambourine. The two supporting figures are playing the drum and cymbals.

PLATE No. 15-Group from the Upper Monastery at Nuttu-

No. 1 is a fragment of a chapel or niche representing two women, one playing a drum and the other a harp. Although it has not come out distinctly in the photograph, the latter has something in her hand, which may be a "Plectrum" similar to what is shown in the Bharhut sculptures as being used to sound the ancient harp. The small dram is beaten with a stick, and not the hand. The floral borders are similar to those to be seen on the Sanchi gates, and may be traced back to Grecian ornament employed in the monument of Lysicrates at

Athens (B.C. 334)-

No. 2 is that of a female beneath a tree (date-palm, Phania Sylvestris), a hough of which she is holding in her right hand. There are three other similar figures (see plate No. to), one holding a bough with her right hand, the other two holding boughs with their left hands. It would thus appear they adorned the two sides of some important sculpture. Besides drapery round the legs, three wear a sort of tunic, one opening down the centre. Three wear scarves round their shoulders, three wear girdles of beads cound the loins with a clasp suspending a leaf. The lair is waved over the forehead, and plaited into a sort of wreath over the head finished by two knobs. They all wear tolerably large pendant earrings, necklaces of beads, torques, and bangles round the wrists and ankles.

Nos 3 and 4 represent Buddha scated on a throne, surrounded by shavenheaded monks or disciples and laymen. The disciples are seated on smaller thrones. Buddha, in both panels, has mountaches, and the nimbus round the head is fringed by leaves of the date-palm. Stone sculptures of Buddha and his disciples found in other parts of Judia, show the face clean shaven, and the right arm and shoulders have;—here the right shoulder is draped—probably in deference to the colder climate of Yusufzai.

PLATE No. 16. Sculptures from the Upper Monastery at Nuttu.

The long frieze of boys and vines is the only example I have seen from Yusufzai. The subject represents a general least on grapes. In the centre two boys are struggling for a bunch. On the right is a goat on its hind legs eating vine leaves; the whole panel is curiously antique-looking in the rendering of the figures, &c. The wild grape vine (Vitis vinifera) grows on the higher hills of Yusufzai, and is also common in Cahul. The lower piece of sculpture represents the death of Buddha. (See descriptive note on Plate 22.)

PLATE No. 17.-Group from the Upper Monastery at Nuttu.

The subject of the woman in the talons of an eagle is shown in Plate 3, and previously described. Here the body is being lifted, the feet just leaving the ground. The fragments at the four corners of the plate call for no special remarks. In the centre is a panel of the death of Buddha, and a panel of Buddha surrounded by worshippers. The peculiar halo, or nimbus of flame round the head of the Saint and his standing on water, represent his control over the two most potent elements. The small sculpture below is a figure bowed with the weight of the superstructure borne on his back. At Persepolis, figures are found supporting plinths with uplifted hands. The caryatide figures of Greece support on their heads in place of columns. The Telamones are another form of architectural support; but all these are erect, whilst the Yusufzai human figures are all crouched or kneeling in an atlas-like attitude. [See Plates 13 & 21.)

PLATE No. 18.-Group from the Upper Monastery at Nuttu.

No. 1 is a niche or chapel representing a seated Buddha and two attendants in the upper part, the worship of Buddha's head-dress and hair in the centre, and a standing Buddha with six attendants in the lower panel. Nos 2, 3, 4 and 5 are fragments of a circular trieze, and chiefly remarkable for the ease and grace in the pose and drapery of the figures.

PLATE No. 19 .- Group from the Upper Monastery at Nuttu.

The fragment on the left represents the worship of the Dharma-chakra, Triratna and Tirchakra symbols, by shaven-headed monks. Some months after the photograph was taken, I obtained the right half of the panel containing more monks.

The centre figure represents a scated layman of rank. The throne is supported on legs representing lions. The right hand is upheld. The left hand holds what resembles a small vessel.

In other similar statues a lotus flower is held, probably a sign of rank. The usual torque amulet and chain with clasps are worn round the neck. The hair is bound in a simple manner by a band of beads or jewels. On the right

is a portion of a panel representing a chief or king, on his throne with lion legs, under a canopy. A small figure on his left is standing on a Cocinthian column, fanning him. Two seated figures are represented beyond. The two fragments underneath are parts of a narrow circular frieze that enveloped the base of a tope and represent a procession of ascetics.

PLATE No. 20.-Group from the Lower Monastery at Nuttu.

The hill had tallen in and partially overwhelmed this site, but three small chapels were excavated which yielded these and other carvings. Besides these, there were many plaster figures attached to the walls, which were too fragile to remove. The stone carvings are destined for the Central Museum at Madras.

PLATE No. 21.-Sculpture from the Lower Monastery at Nuttu.

This represents shaven-headed monks paying adoration to the Dharma-chakra or symbol of the wheel, which is surmounted by the Triratna, or symbol of the "Three Gems," above which are three wheels, or Dharma-chakras The Tricatna is described as the triple object of veneration-Buddha, the law, and the church. The wheel symbol, is the wheel of the law of Buddha. The attitude of the supporting figure with uplifted hands, is suggestive of Atlas.

PLATE No. 22.-Sculpture from the Lower Monastery at Nuttu.

Buddha died at the age of So at Kusinara or Kusinagara, east of Gorakhpur, at a place called Kasia, and passed away-as he was born-ender a Sal tree. He is here represented lying on a four-legged bed with a mattress and pillow, surrounded by the chiefs of the Mallians of Kusinagura. The event occurred in B. C. 543. The evil-disposed cousin Devadatta is represented at the back with a diabolical expression of glee. A seated figure, with his back turned, is shown at the foot of the bed. The prestrate figure is probably one of the disciples ill from grief. The bed on which Buddha is lying might be a modern charpoy, and the presence of a mattress and pillow show that civilization in the first century A.D. was more advanced in India than it was in many western countries at the same period. The scene represented in Plate No. 16 is between two pilasters with Corinthian capitals. Close to Buddha's bed is a tripod, from which suspends what looks very like a modern soda-water bottle, but which was probably a porous vessel used for cooling the drinking-water of the Saint in his dying moments.

PLATE No. 23.-Part of a niche from the Monastery at Mian Khan.

The Mian Khan monastery had only been parially explored when the Plates Nos. 23 to 30 were taken. It must have been a place of importance, the enclosure measures 84 feet by 66 feet, and contains some eighteen topes. No relics or coins were found, but the sculptures, although very broken, are numerous and of considerable interest. They are destined for the Imperial Museum in Calcutta.

The sculpture here represented is part of a niche or chapel.

A king and queen are seated at a small table engaged in gambling. The queen is seated on a stool with her feet on a foot-stool. The king is on a throne, his feet also on a foot-stool. The right arms of both are on the table. The left arm of the queen is uplifted as if throwing dice. In the back-ground are two female attendants with chaoris. The king has a jewelled plume in front of his turban. General Cunningham describes the upper part of the nichtas containing Buddha's alms-bowl under an umbrella as an object of worship.

PLATE No. 24 Figure from the Monastery at Mian Khan

This is the upper part of what must have been a large statue, and measures about 2 feet 9 inches in height. The mode of dressing the hair is very elaborate. A band of jewels is wurn across the forehead; the massive earrings drag down the lobe of the ear; a chain with dragon clasps is worn round the neck as well as a torque; a chain of stones or beads is worn over the right shoulder, and a string of amulets is worn across the body under the right arm, which has an armlet with a human head represented on it. Such rich ornaments show this to be a royal person, probably Prince Siddhartha before his asceticism.

PLATE No. 25-Figure from the Monastery at Mian Khan.

This is a very perfect figure about 1 foot 2 inches in height. The halo denotes some connection with the church, but the ornaments are those of a king or chief. The mode of dressing the hair with a top-knot and jewels entwined is peculiar. The right hand, uplifted, has a representation of a lotus flower in the palm-another royal sign. Armlets are worn on both arms and the left hand holds a small vessel for water, scent, or perhaps relies. Besides the drapery round the loins, there is a cloth over and about the shoulders, leaving the right shoulder bare.

PLATE No 26.-Group from the Monastery at Mian Khan.

The small fragment at the upper lift is part of a small circular frieze representing ascetics. The three surrounding pieces represent Buddha and his disciples. The two lower carvings are terminal with boys, on lions, pulling their tails. I afterwards found the centre piece representing a boy mounted on a standing lion.

PLATE No. 27.-Group from the Monastery at Mian Khan.

No. 1, a small frieze of figures. No. 2, part of a circular frieze, representing ascetic life-a figure struck down by a storm. In the centre is a small tree with large leaves (Jack tree—Arto Carpus integrifolia)
No. 3 is a fragment of a standing Buddha. No 4 is the worship of symbols.

Nos. 5 and 6 are parts of a frieze, probably representing one of the Jatakas, or

birth-stones of Buddha.

PLATE No. 28.-Group from the Monastery at Mian Khan.

The heads Nos. 1 to 5 are particularly good, and show a variety of head-dress. No. 6, part of a garland frieze, is not so classical-looking as the frieze in Plate No. 14. No 7 is a seated Buddha and disciples. No. 6 is a seated chief under an umbrella or canopy with surrounding attendants. No 9 is a narrow frieze of niches with Persepolitan pillars.

PLATE No. 29.-Group from the Monastery at Mian Khan.

There is nothing about these fragments not already described, excepting the lower centre piece, which is part of the body of an elephant carrying a seated figure on a throne.

PLATE No. 30.-Sculpture from the Monastery at Mian Khan.

This sculpture was found very much damaged. It represents an oftendepicted scene. Devadatta caused an elephant to be drugged in hopes of his charging and destroying Buddha. People assembled at the city gate to witness the event, but instead of harm the animal does obeisance. Here we have a representation of walls with battlements, and a doorway with sloping jamis, like the Etruscan doors of the fifth and fourth centuries before Christ.

Appendix J.

Tamb of Jahangir at Shahdara near Lahore.

1. After the death of Akbar in 1605 A.D., his son Salim assumed the government of the empire under the title of Jahangir, "Conqueror of the world." Sir Thomas Roc, sent by King James in 1615 A.D., to the court of the Emperor, gives us an idea as to the state of India at the time. Though judicious, Roc is profuse in praise of the magnificence of the court, and speaks in high terms of the courtesy of the nobility and their entertainments. Referring to the natives he writes—

"They are a people of a strong and quick apprehension, ready wit, and very great funcy and ingentury in all manner of fine works. This, their delicate stained cloths, their silks, their cotton carpers of so many mingled colors, in short, all their flowered works in silk, gold, and silver are plantitul evidences of. Then they make all sures of califiets, ooxes, standishes, tranks, &c., with that exquisite skill and fancy that they deserve to be reckoned amongst the master works men of the world in all respects. They'll inlay (with elephant's tooth, mother-of-pearl, shony, torioise shell be wire) anything that is capable of being wrought upon. They work abundance of supe out of again, cornelant, and other for stones; poish and cut all manner of lewels, and undirectand the value of them as well when they have done. They know how to buy and sell all those use tichlish commodities, and he that gets the better of them in a bargain must be a very eleger man indeed."

There was a great influx of Europeans about the court of Jahangis and considerable encouragement given to their religion. Tavernier, writing in A.D. 1631, tells us that the Emperor had a palace at Lahore, on one gate of which was a crucifix and on another a picture of the Virgin Mary. The traveller remarks—

Some have thought them marks of Christianity which was anciently professed in those countries, but it is really nothing but a piece of flattery and hypocrisy of King Jahangir to oblige the Partagonse to be his friends."

2. Jahangir's buildings, except the tomb of Akhar at Sikandra, which, if not his design, was, as we see it now, the work of his time, are not on the same scale of magnificence as those of his father or of his son Shah Jahan. But amongst those worthy of particular notice are the Jahangir Mahal in the Agra Fort, built immediately after the death of Akhar; the tomb of Et-mad-ud-Dowlah (father of Nur Mahal, Jahangir's Queen) at Agra; and the gateway of the Sarai at Nur Mahal on the road to Kashmir, built 1620 A.D. In 1624 A.D. Jahangir paid his second visit to Kashmir, built many palaces as well as summer-houses and completed the celebrated Shahlimar gardens near Srinagar immortalised by poets and travellers. He was fond of Lahore and there built the tomb of Anar Kali; the Moti Masjid in the fort, now used for storing rupees; and the greater Khwabgah or sleeping palace, also in the fort.

3. In 1622 A.D. he fixed his court at Lahore, and when he died in Kashmir in 1627 A.D., his body was taken back to Lahore where it was buried in the garden of Nur Jahan. On the south side of the white marble sarcophagus, which rests in the centre of the building erected by Nur Jahan is inscribed "The glorious tomb of His High Majesty, Asylum of Protectors, Nur'ddin Muhammad,

the Emperor Jahangir, 1037 A.H." (=627 A.D.)

A Views of Jahanger's Tomb are given in Hardinge's (non of the Governor General) "Recollections of India," folio London: 1847.

Plate No. 1.—General Plan of the Tomb of Jahangir (Chromolithograph-Double Plate.)

4. Shahdara is on the west bank of the Ravi and about 3 miles from Lahore. Here are-

(1) The tomb of Jahangir with its square enclosure and garden. (2) The sarai for the accommodation of native visitors to the tomb.

(3) The tomb and enclosure of Asaf Khan (Jahangir's Minister).
 (4) The tomb of Nur Jahan (Jahangir's wife).

5. The whole place, except the actual tomb of Jahangir, looks ruined and neglected. Bahadur Shah, Ahmed Shah, and Ranjit Singh cruelly maltreated the buildings, and Ranjit Singh carried off many of their marbles and ornamental building materials. The occupation by the British troops after the Sikh war caused additional damage. Since that time the sarai between the tombs of Jahangir and Asaf Khan has been occupied by the Punjab Northern Railway as an engine yard. Holes were knocked into the walls, the grounds broken up, various gateways being converted into dwellings for the Railway employes, This latter evil has been remedied since 1881, and the place is at least no longer. misappropriated.

6. The tomb of Asaf Khan has (by the Sikhs and others) been stripped of its marble and stone facings; only small portions of the encaustic tiles are left in the arched entrances. The building has received slight repairs to secure what remains. The north gateway of the enclosure to the tomb was converted by the Railway authorities into a dwelling, and is now in the hands of Bhai Mian Singh, who has proprietary rights of all the buildings of the enclosure. The gateway, with its handsome tile-work, should be freed of the modern additions which obscure it. Jungle and cultivation have taken the place

of the original garden.

7. The tomb of Nur Jahan (not indicated on the plan, but to the south of Asal Khan's) is in ruins, having been used as a quarry by the Sikhs; and Fergusson says, half the splendour of the temple at Amritsar is due to the marbles plundered from this mausoleum.

Plate No. 2.-Elevation and Section of Jahangir's Tomb-(Engraving -Double Sheet.)

8. Although the tomb of the Emperor has been better treated than those of his wife and minister, it is in considerable disrepair. Mr. Thornton, in the Gazetteer of Labore, informs us that-

"it mourns the loss of an elegant lattice-work paraget of marble which surrounded the roof and galleries of the minars, and must have given a lightness to the structure which at present it does not possess." (Verified by General Cunningham.)

9. It is also asserted that a marble dome once rose from the centre of the roof over the vaulted chamber which contains the tomb, but that Aurangrib removed it in order to insult the remains of his unorthodox predecessor.1 General Cunningham heard the same in 1838 A.D.

10. I do not believe that the central building had a dome, but Aurangzib may have taken down the structure. At all events it appears from the accounts of Tavernier that Aurangeih carted marbles to Aurangabad from Labore; and as there are no quarries in the neighbourhood, it may be inferred that he com-

I The entrance gate of the sarai at Ner Mahai built by Jehangle is covered with animals and Spaces which would have been very offensive to a bigotted Muhammadan.

menced the pillering of buildings which Ranjit Single more vigourously contimued.1

11. The marble pavilion in the Hazuribagh, near the Lahore Fort, which I believe came from the centre of Jahangir's tomb, has abundant evidence of having been designed by Muhammadans. In setting it up on the present site, the Sikhs introduced a good deal of their own ornament, but the modern work can be easily detected, whilst the older portions, such as the columns of the upper apartment, the trellis railings, and much of the terrace inlaid work is of

the same style and period as the tomb of Jahangir.

12. The central platform over the sarcophagus (see Section, Plate No. 1) mnasures 53 feet 6 inches square, and the marble paving, by which it is covered, has indications of having supported a structure above. The inner line of a band of red sandstone measures 43 feet square, the exact dimension of the exterior wall of the Hazuribagh pavillon. When the plan of the latter is applied to the plan of the platform other coincidences become evident, the centre apartment of the Hazuribagh pavilion falling over the present skylight of the central chamber of the tomb, and its columns taking an alignment over substantial vaultings.

13. The central chamber of Jahangir's tomb, although approached by four passages, is shut in on three sides by handsome screens of pierced marble, and

can only be entered on the west side. (See Section, Plate No. 1:)

14. The building in its present condition is very incomplete and neglected. A most careful scrutiny of all its parts is required before arriving at a just appreciation of the original design. Many years ago clumsy repairs were applied in coloured plaster to the inlaid portion of the red sandstone façade of the colonnade (see Plate No. 3). The interior of the verandah was up to 1881 covered with plaster and whitewash, a partial removal of which now reveals a handsome tile dado (see Plates Nos. 6 and 7) and in parts coloured frescos. It is doubtful whether the terrace of marble mosaic covering the entire building keeps out rain; it is discoloured and decayed. A shower brightens up the colours of the various slabs, but the effect is transient and soon disappears under a warm sun.

15. To restore the tomb and surroundings in the same thorough way as the Taj would cost a large sum; meanwhile repairs have been executed by Lieutenant Abbott, R.E., who was appointed by Sir Charles Aitchison to the

Vol. I. Mnouments Aucieus et Modernes de L'Hindoustan, L. Langlès, Paris, 1821, page 144. spezicing of Amangahad, "Le Voyageur Tavernier, qui parcourroit ces cantons en 1645, vit en effet le prince Muraiman (Aurangrib) occure a construire dans sa nouvelle ville une magnitique mesquée un tom-

prince discriment (Aurangarii) occupe a construire dans as nonvelle ville and magnifique mosquée un tembers et un toboultry en l'houseur de sa première lemme. Les martiers campleyes uns deux première immuneurs exisent apportes de Labor." In vol. 11, page 140, it says. "Tirés dus montagues de Labor des a dire de la distance de plus de quaire muits de chamin. Le muine suyageur rescoutra teois or quaire cents charicts trainés par dours et unitre huffles, et chargés d'enournes blocs de marber."

Moorcroft. Travels in the Himalayan Provinces, 1819-1825. John Murray, London, vol. 1, page 201 (May 1820). "There is nothing worthy of note at Shahdeirn except like tomis of Jahangle Shah. The structure which is heilt of a reddish forestime stands in the centre of a quaesuas quadrangle in which entrance is given by a humbique gateway of marbie and enamed. It is surrampled by a long servidor with cella bor fakira. The corridor is paved with variegated marbies and the scalls are discorated with paintings. In the interior of the manufacture is an elevated sarrophagus of white unable, unabirning the remains of the avareign of Deihi, the sides of which are wrought with flowers of marbie, and along the latter run parages of the Koran. The building are arrangemented, if is asid, by a dross, but it was taken off by Aurangaib, that his granificator's tents might be exposed to the weather as a marke of his reproduction of the loose motions and licentious practices of Jahangte. Such as the story, but more probably the building was never completed. The roof is now aquati, presuming an open work access, with a lotty minaret at each angle. The odifice is of great raises and of surpassing tenuty."

charge of the Punjab Archaeological Sub-division. The security of the buildings should be assured and means taken to bring the various ornamental portions into their original prominence. Cleaning off dirt and whitewash from existing mosaics and tile-work, and securing them in their places, cleaning and renovating the coloured paintings of the interior, seem to me remedies which should be unsparing.

Plate No. 3.—Details of Marble and Stone on the outer Face of the Tomb (Chromolithograph—Single Plate.)

Plate No. 4.—Details of Marble and Stone Payement (Chromolithograph— Single Plate.)

Plate No. 5.-Details of Marble Mosaic and Fresco (Chromolithograph-Single Plate.)

Although not so extensive or of such coatly materials as Akhar's tomb at Agra, this building and its surroundings must have satisfied the most lively and appreciative imagination. The outlying gates of the enclosure were brilliant with frescos and glazed tiles, whilst all the resources of the art of inlaying in marble, stone, and pottery were lavished on the central tomb. There is no structure in India which presents so many classes of mosaic work as this.

I.—The whole of the red sandstone façade of the colonnade is incrusted with black and white marble disposed in panels and niches filled with outlines of vessels, flagons, &c. The ornament free detail of colonnade, Plate No. 3) is dignified without too great severity, and the detail patterns are appropriately subordinate to the leading lines of the arcade and corner towers.

II .- The four minarets, the most prominent leatures of the building can be seen from a considerable distance, and are inlaid with aignag bands of variegated marbles and yellow stone. (See Plate

No. 3.)

III .- The terrace and verandah are paved with mosaics of marble and stone laid in geometrical patterns. (See Plate No. 4.)

IV .- The sarcoplingus and the circular bosses of the spandrils of the colonnade are of veritable "Pietra Dura." (See Plate No. 5.)

The art of inlaying for architectural purposes may be classed as follows :-Autient Mosaicz -Dailing from the time of the Egyptiana to the era of Constantine the Great, A.D. 330. The best known among these are the Roman mousies which date from 80 B.C. and are thus classified :-

i. Opus Tesselatum, consisting of small tessers of marble composing a geometric figure, such as the pavements at Pompeti,

IL-Open Section, consisting of alices of marble producing a pittaing effect through ...

shape colour, and veln, introduced about 50 B.C.

iii.—Opus Figurum, a more extended scale of shade and colours used than in Opus Tesselatum, and the material compounded of after and alumins, in all cutours.

by.-Oper Verminelatam, composed of Figurean in conjunction with fragments of markle and gems, figures, cransmits, pictures, applied to walls and collings. (An example of ancient mossic was found at Hockstow is Lincolnahus daring 200 A.D.)

Medianal Messics. - Date from 320 A.D. to 1330 A.D. and consist of these varieties, which ob-

tuined anteersally in Italy :

i.-Glass mosaic, Opus Musicam, for walls and equits, it .- Glass Tesselation, Opus Gracuminum, generally talaid in church farniture.

iii. - Marble Tesselation, Opas Gracanicam and Opas Alexandrianin formed into pavements. This is an arrangement of small cubes, usually of purplyry or serposition in grooves cut in the winte markle states which form the presument (English example, Edward the Confessors temb, 1970 A.D.)

Plarantine Maraics or Pietra Dura, introduced is 1538 A.D. in initiation of the socient Open

Sectile.

V.—Lastly, the dados of the verandah and four approaches to the central chamber are of glazed tile mosaic. (See Plates Nos. 6

and 7.)

17. There can be little doubt that the graceful and delicate foliated Pietra Dura which is used as exterior ornament for the first time in Jahangir's tomb and became so characteristic a feature of the Taj at Agra, and Shah Jahan's other huildings, was introduced from Florence. The Fabrica Ducale of Florence was founded by Ferdinand I., Grand Duke of Tuscany, in 1558 A.D. The first imitation of the Florentine work that I know is inside the Jagmandir Palace at Udaipur, the very building in which Shah Jahan was located when a fugitive prince, and from which I think it not unlikely he got the idea of the work.

18. A very bold class of floral mosaic had, it is true, been introduced into the gateway of Akbar's tomb at Sikandra in A.D. 1613, but the example in the Jagmandir Palace of ten years' later date is much nearer related to the Florentine.

Pietra Dura.

19. The following are some of the principal oriental mosaics :-

(1) Palace of Asueras, Persia, B.C. 519-550.

(2) Greek mosaic pavements, time of Alexander the Great, B.C. 323.

(3) Byzantine glass mosaics, A.D. 350.

(4) Ala-ud-din's gateway at the Kutub, Delhi, inlaid with hands of marble, A.D. 1310.

(5) Tomb of Tughlack Shah at Delhi, inlaid with bands of marble,

A.D. 1321.

(6) Mosaic pavement, Alhambra, A.D. 1354-

- (7) Tomb stone of Ahmed Shah's wife, Ahmedabad, inlaid with marble and mother-of-pearl, A.D. 1430.
- (8) Tomb of Hoshang Shah at Mandu, tesselated pavement, A.D. 1432.
 (9) Mosaic pavement in coloured plaster, Jamali Kamali Tomb, Delhi, A.D. 1528.

(10) Kila Kona Mosque, Delhi, marble mosaic, A.D. 1540. (Introduction of Pietra Dura at Florence, A.D. 1558.)

(11) Akhar's Mosque, Fatehpur Sikri, geometric mosaics, A.D. 1571. (12) Raiun Ungan Palace, Udaipur, mosaic payement, A.D. 1571.

(13) Akbar's tomb, Sikandra, floral mosaics, &c., A.D. 1613.

(14) Jagmandir Palace, Udaipur, Pietra Dura, floral patterns, A.D. 1623-(15) Jahangir's tomb, Lahore, mosaic and floral Pietra Dura, A.D. 1627.

(16) Etmad-ud-Dowlah's tomb, floral mosaics, Pietra Dura, Agra, A.D.

(17) Jess Mandir Palace, Amber, black and white marble mosaic, A.D. 1630.

(Influence of Austin de Bordeaux at Agra and Delhi.)
(18) Shah Jahan's palaces, Agra, floral Pietra Dura, A.D. 1639.

(10) Shah Jahan's Taj, Agra, floral Pietra Dura, 1648.

(20) Shah Jahan's palace, Delhi, black marble Pietra Dura, floral patterns introducing birds, animals, and Orpheus, A.D. 1648.

(Four skilled musaic workers sent from Florence to the Great Mogul, 1688 A.D.)

Plates Nos. 6 & 7.—Details of coloured Tile Mosaic (Chromolithographs—Single Plates.)

20. The tile dados in the verandah and passages (see Plates Nos. 6 and 7) are particularly handsome and of the mosaic class, which became popular in the

Lahore buildings. The employment of glazed tiles for architectural purposes dates from Rhamses II. (B.C. 1452). The Chinese also used coloured porcelain in their buildings from an early period; but as far as I have been able to ascertain, the first Muhammadan building in which glazed tiles were used is the Villa Viciosa, mosque of Cordova, in Spain, which, according to Prisse, dates from A.D. 955, and according to Fergusson from A.D. 1200. General Cunningham dug up a quantity of blue glazed tiles outside the Kutub-ul-Islam Mosque at Delhi, the date of which must have been the latter part of the 12th century. He also identified the date 500 of the Hijra on a blue glazed tile in the Lahore Museum, which would correspond to about 1107 A.D.

The following oriental buildings are good examples of the early employment

of tiles :-

(1) Jami Masjid, Budaon, 1223 A.D.

(2) Tomb of Bahawal Huk, Multan, 1250 A.D.

(3) Mosque at Tabriz, Persia, 1294 A.D.

- (4) Mosque of Chey Koum, Cairo, 1354 A.D. (The earliest use of glazed tiles in Cairo.)
- (5) Tomb of Tamerlane's father, Samarkand, tile mosaic, 1360 A.D.(6) Tomb of Tamerlane at Samarkand, tile mosaic, 1404 A.D.
- (7) Man Singh's Palace, Gwalior, tile mosaics, 1507 A.D. (8) Jamali Kamali Tomb, Delhi, tile mosaics, 1528 A.D.

(9) Tomb of Muhammad Mumin at Nakodar near Juliunder, 1612 A.D.

(10) Jahangir's tomb, Lahore, tile mosaics, 1627 A.D.

(11) Wazir Khan's mosque, Labore, tile mesaics, 1635 A.D.

The use of brightly coloured tiles in buildings is particularly grateful to the eye in hot and sandy localities, and I well remember at Sukkur in Sind, where the vegetation is, to say the least, scarce, how gladly one's eye rests on the little patches of gay tile-work in the tombs and buildings of the town.

Plate No. 8.—Details of paved walks (Chromolithograph—Single Plate.) Plate No. 9.—Details of Alcove and Wall (Engraving—Single Plate.)

21. The garden of Jahangir's tomb is laid out in 16 equal squares, separated by paths of brick laid on edge, channels of water, and fountain tanks. The paths about the centre building are a species of mosaic, the brick-on-edge being laid in geometric patterns bordered by black marble (see details C, D, E, Flate 8). A wall with alcoves at the angles surrounds the whole, on all four sides, but the river has washed away the corner to the south-east (see Plate No. 1). The encroachment has, for the present, stopped. There are gate buildings on the north, south, and west. That to the west is of red sandstone, inlaid with marble mosaics, also decorated with fresco.

22. It is most desirable that means should be found to put the grounds of the two tombs in good order, and the jungle and cultivators gut rid of. The place is distinctly one of the most interesting in Lahore, and is resorted to by both

Europeans and Natives.

Appendix K.

Shahlimar Bagh, Lahore.

1. The number and extent of the ruins which surround the present walled city show that Lahore and its environs covered a circle with a radius of about 3 miles. The whole area between the Shahlimar gardens and the River Ravi is filled with the remains of tombs, mosques, and numerous gardens, which during the reign of Shah Jahan must have formed a vast and picturesque group worthy of an imperial city.

2. The Shahlimar Bagh, or Imperial Garden Palace, some 6 miles east of the Labore Fort, was designed and built in 1637 A.D. for Shah Jahan by Ali Mardan Khan, in development of Jahangir's Shahlimar gardens on the city

lake at Srinaggar in Kashmir.

3. This latter well known summer retreat, measuring 500 by 207 yards, is enclosed by a masonry wall 10 feet high, and arranged in four terraces. A mountain stream traverses the water channels and cascades of the garden. There are various pavilions, the uppermost being the best and surrounded by fountains.

4. The Lahore garden, measuring about 520 by 230 yards, is shut in by a masonry wall 20 feet high, and arranged in three terraces with a number of alcoves, gateways, and isolated pavillons; on the east side there is a Turkish Bath or Hamman. Water from the Bari Doah Canal traverses the channels,

eascades, and fountain tanks from south to north.

5. The disturbed state of the Punjab in the eighteenth century placed the palaces and buildings of the Mogula at the mercy of Afghans and Sikhs. The invading army of Nadir Shah encamped in the gardens in A.D. 1738. Ten years later Ahmed Shah's camp was fixed in the vicinity. Shortly after, 1799, Ranjit Singh restored the gardens which had gone to ruin during the troubleus times of Ahmed Shah, but he removed the marble pavilions and substituted plaster structures in their place.

6. The grounds, although Government property, are at present let out on lease for the cultivation of fruit, the consequence being that the upper and lower plots are too thickly planted, and cared for without regard to arbori-

culture.

7. Lieutenant Abbott, R.E., Assistant Engineer, Archæological Sub-division, Punjab, has done a good deal to improve the condition of the grounds and prevent their being flooded, but the flow of water through the channels is still out of control, and the lower terraces get frequently swamped, thereby causing deterioration of the masonry walls and walks. Repairs have also been applied to some of the pavilions, &c., but a good deal remains to be done before the place can be said to be in proper preservation.

8. The Shahlimar Bagh is one of India's Imperial works, and as such has, I submit, a claim to the consideration of the Governor General in Council, as well as of the Punjab Government. Some assistance has, for the past two years, been given in money from Imperial funds, but to place the grounds and buildings in substantial repair will cost a large sum, probably \$20,000; they are resorted to by large numbers of residents, European as well as native, and could under scientific direction be rendered both profitable and attractive.

9. Muhammadan Princes all over the world showed as much taste in their dwellings as in their mosques and tombs, but as the conditions of climate, custom, and religion necessitated a special type of building, their palaces were not compact masses like those in Europe, but consisted of a number of detached pavilions, reception rooms of great and little state, sleeping and other apartments, scattered over large spaces and separated by trees and gardens; they were therefore more liable to succemb to the ravages of time and weather, or

to mutilation by invaders and conquerors.

to. Among the numerous Mogal Palaces known in India during the present century, only a few exist. Those in the Lahore Fort have been altered so atterly as to attract little attention. The Delhi Fort Palaces have given way to barracks, only some of the more precious buildings having escaped destruction. The Agra Palace, owing probably to the peculiar necessity during the mutiny of 1857 of housing in it families of English officers, has remained in some degree intact. A special pass from the Commissary of Ordnance admits the visitor to the Palace of Akbar in the Allahabad Fort, but it is unrecognisable, except as a depôt for ordnauce stores. All these were originally highly ornamental structures, with court-yards, gardens, and fountains, special halls for interviews with the Emperor and public durbars, women's apartments, galleries and cloisters, guard-rooms, &c. Old Indian miniatures, most of which have been acquired for foreign collections, give an idea of princely domestic life. Ladies of rank are represented performing their tollets in little courts with fountains and trees; their husbands are shown seeking rest and repose in gardens of the seraglio. To qualify the heat and glare of the herce tropical sun was the sim of Indian architects, who got to well understand the value of enclosed courts with their cool shade, pleasant shrubs and flowers, running water, and splash of

1.1. The following are some of the principal gardens of the Mogul Em-

perors:-

Baber, reigned A.D. 1526-1530.

This Emperor built the garden and mosque, called the "Cabul Bagh," at Panipat, Punjab, to commemorate Itis victory over Ibrahim Lodi, A.D. 1527. (Only a mosque and Baber's inscription remain, the garden no longer exists.) The body of Baher was in A.D. 1530 temporarily interred in the Ram Bagh, a well-known garden at Agra, but afterwards removed to Cabul. Prince Kamran, brother of Humayan, when viceroy, was the first to begin gurden-building at Lahore, and a pavilion of his is now used as a toll-house at the bridge of boats,

Humayun, reigned A.D. 1530-1556.

Hamayun's Tomb stands in the midst of a fine garden, which within the last few years was distigured by use for cultivating tobacco and other crops, The leaseholder, a descendant of the last king of Dethi, derived his income from the profits made out of the grounds. The gardens are now cared for,

Akbar, reigned A.D. 1556-1605.

Abul Fazi states that Akbar brought gardeners from Persia to Lahore to cultivate grapes and melons. Akhar constructed gardens at Fatshpur Sikri, but nothing of importance. During his reign Man Singh made the Dilaram garden on the hund of the Tal Kontara Lake at the Foot of the Amber Palace, near Jaipur. The garden of the palace of flawers at Urcha was also work of his time.

Jahangir, reigned A.D. 1605-1627.

Jahangir was a great gardener:-

I .- The Shahlimar gardens, near Srinagar in Kashmir, being the most

important of his work.

II.—The grounds surrounding the tomb of Akbar, his father, at Sikandra were laid out in his reign.

It is said that Nur Jahan, his Queen, selected the sites of-

III.—The Nasim Bagh, IV.—The Nishat Bagh, V.—The Manusbal garden,

in Kashmir.

VI.—The Vernag garden,

The following were constructed by the Emperor:-

VII.—Garden of the larger Khwabgah in the Labore Fort (no longer exists).

VIII.-The Duolat Bagh at Ajmir.

IX & X.—The gardens of the two Island Palaces at Udaipur, the Jagmandir and Jagnavas.

XI.—The Khushru Bagh at Allahabad.

XII -Garden round Etmad-ud-Dowlah's Tomb at Agra.

XIII.—Nur Jahan's garden at Shahdara, Lahore (where the Emperor was buried).

Shah Jahan, reigned A.D. 1627-1658.

This Emperor built :-

L-The Shahi Bagh at Ahmedabad (when Viceroy).

II — The Lahore Shahlimar gardens.

III .- The Haiyat Baksh gardens in the Delhi Fort (now destroyed).

IV.—The Anguri Bagh in the Agra Fort.

V .- The gardens surrounding the Taj at Agra.

VI.—The Kandarhari Bagh at Agra (where one of his wives was buried).

VH.-The garden of the smaller Khwabgah, in the Lahore Fort.

Of his period were :-

VIII.—The Begam's Bagh, or Garden of Jahanara, Delhi (now the Queen's gardens).

IX.—Garden of Zeban Nishan, Lahore (only the gateway known as the Chauburji now remains).

X .- Roshanara Bagh, Delhi.

XI .- Pinjore gardens near Kalka on the road to Simla.

XII.-The Golabi Bagh, Lahore (only the entrance gate now remains).

Auranguib, reigned A.D. 1658-1707.

This Emperor built no gardens of importance.

Modern gardens, after A.D. 1707, were-

I.-Kudsiah Bagh at Delhi.

II .- Garden of Safdar Jang's Tomb at Delhi.

III.—Ram Bagh at Amritsar IV.—Hazari Bagh at Lahore } Ranjit Singh's time.

V .- Gardens of the Begums of Bhopal.

VI.—The Bari Mahal at Udaipur has a garden for its upper story, surrounded with marble trellis kiosques, and pavilions.

PLATE No. 1.—Chromthographic Plan of the Shahlimar Gardens (Double Plate.)

12. As will be seen from the plate, the arrangement of the Shahlimar gardens follows the usual formal plan of the Muhammadans. On entering the gateway to the south, there are four square plots separated by water channels and a row of fountains down their centre. Each plot is alike, arranged as shown at O O O O. Between the west and east enclosure walls are two pavilions, one now used for natives, the other for European visitors. The latter was probably the women's apartments, as it is shut in from outside by a small projecting garden (not shown on the plan). Passing up the centre avenue, one reaches the principal pavilion and large tank, L L, filled with fountains and surrounded by ornamental flower beds. South-east of this pavilion is a building called the Khwabgah, or sleeping room, and in the centre of the east boundary wall of the grounds a Hammam, consisting of various domed rooms fitted with brightly painted doors. The terraces flanking the large central tank east and west are 14 feet below the upper garden, and 4' 6" above the lower garden. The tank and its walks are raised some 4' 6" above this intermediate terrace, forming, with its fountains and pavilions, the chief attraction of the place. The lower garden is broken up into four square plots, each arranged as at B B B, and separated by water channels and walks. The gateways at E and D are decorated with tiles. The brick-on-edge walks are damaged by the overflow of the water from the channels, and the trees and shrubs closely packed present a jungly appearance.

PLATES Nos. 2 & 3.—Chromolithographs of Details of the Work (Double Plate.

13: The coloured tile work on the gateways, shown at E and D on the General Plan, is of the mosaic class. The leaves and flowers of the different patterns are formed of separate pieces of tile, accurately cut and fitted, the colours being very brilliant. The enamel glaze is of light and dark green, white, yellow, orange, purple in two shades and light and dark blue. The tiled decorations cover both the interior and exterior of each gate, and the whole should be carefully preserved. It is very desirable for visitors to have access to the outside, which at present is not easy.

PLATE No. 4-Engraving of Details (Single Plate.)

14. This shows the marble details of the fountains, &c., in the great tank at L L on the General Plan.

I Writing on 6th May 1820. Moorcoft says: "I started at three and at nine reached Shahlimur, the large garden hald out by order of Shah Jahan, where I took up my shock in a chamber are the by the Ruja close to a well, and a reservoir which it supplies, and from stich lets of our are made to play the Ruja close to a well, and a reservoir which it supplies, and from stich lets of an ounderable scann, so near to the apartment as to cool the air at its natrance. Ranjit Sirgh has to a considerable scann, so near to the apartment as to cool the air at its natrance. Ranjit Sirgh has to a considerable scann of which are several buildings. The grounds are interested by consis, and the walks are formed of which are several buildings. The grounds are interested by consis, and the walks are formed of which stands are several buildings. The grounds are interested by consis, and the walks are formed in the footh walks to install the factors and mished with copper rules to install stall on the start and a white markle of each story on a jevel with the hasin, which procume in front a square markle chamber, with markle of one story on a jevel with the hasin, which procume in front a square markle chamber, with markle of one story on a jevel with the hasin, which procume in front a square markle chamber, with receive on its added for lamps, before which water may be made to fall in shares from a ledge rounding recesses on its added for lamps, before which water may be made to fall in shares from a ledge rounding recesses on its added for lamps, before which water may be made to fall in shares from a ledge rounding recesses on its added for lamps, before which water may be made to fall in shares from a ledge rounding recesses on its added on the floor. This is called "Sawan the round at the floor. This is called "Sawan the round at the floor." The ground is brid out to platforms and is covered with fruit-trees."

Appendix L.

Lahore Fort.

PLATE No. 1.—Plan showing the Original Buildings. (Engraving, Double Plate.)

1. The city of Lahore formerly "Lohawar" was founded between the first and seventh centuries of the Christian era by a Rajput colony. No Hindu remains have been discovered in evidence of the architectural pretensions of this period. The present buildings are those of the reigns of Humayun, Akbar.

Jahangir, Shah Jahan, and Aurangzib.

2 During Akbar's residence at Lahore (1584-1598 A.D.) he enlarged the fort and round it and the city built a wall, portions of which still exist. The Akbari Mahal, shown in the plan in the east portion of the fort, was a work of his time, but now demolished. He also built a Throne-room, which I imagine lay west of the existing Diwan-i-am. The present hospital occasion old Hamman and part of a hall which is probably a portion of the Throne-room. The gateway leading from the Hazaribagh is also of Akbar's time.

3 Jahangir fixed his Court at Lahore in 1622 A.D., and built the Arcater Khurbgah on the north face of the Fort. It consisted of a large quadrangle, with a colonnade on three sides, of red sandstone columns, caryed with bracket capitals of the figures of elephants, griffins, and peacocks, resembling the ornamentation of the Jahangir Mahal in the Agra Fort. On the centre of the fourth side which overlooked the River Ravi was a lofty pavilion, and on either side, at the corners, two chambers with elaborate Hindu columns. The buildings have undergone complete alteration for military purposes, but the two corner buildings could be restored. In the centre of the quadrangle was a garden and beneath the pavilions and colonnades, under-ground apartments for refuge from heat. The Moti Masjid was Jahangir's work, and, although of marble, has been converted into a Government treasury. The style of its architecture is plain, but of an interesting transitional period. The building has been somewhat repaired and means taken to protect the marble from the hauling about of heavy treasure chests.

4 In the reign of Shah Jahan the Palace was enlarged. A smaller Khwabgah was erected, west of that built by Jahangir. The building still exists, although altered to suit the purposes of a chapel. The garden and surrounding buildings also remain, but the latter have been converted into quarters greatly to the detriment of their marbles. In front of the Khwabgah is the Arzgah, where the Omra assembled every morning to receive the Imperial commands. Left, or west, of the Khwabgah were erected two buildings known as the Shizh Mahal, or Saman Burj, and Naulakka Pavilion. The Shish Mahal, with its sparkling mosaics of glass, is celebrated as the place where the British sovereignty of the Punjah was formerly recognised by Ranjit Singh. The Naulakka Pavilion is a costly marble erection, inlaid with "Pietra Dura." A new gate was opened into the Shish Mahal for the Emperor's private use, called the Hati Pul gate (or Hathiyar Paur), now the only entrance to the Fort. In the centre

^{*} Periodits ages that in A.H. 143 (-750 A.D.) the Meslems greatly increased; when issuing from their bills, they obtained pursement of Kirman, Peshawar, and all the lands adjacent; and that the Arga of Lahars, who was of the family of Ajmir, sent his brother against these Arghans who were employed by the trilles of Khilji of Gher and Kabul, just become preceives to islam.

of the Fort enclosure Shah Jahan erected the Dinan-i-am since vandalised into a barrack, but the columns of marble and stone, and throne of the interior, are in sits, and the rooms at the back (with their marble dades and coloured frescos, considerably damaged by whitewash) are parts of the original structure. The northern front of the Palace extended some 500 yards along the banks of the river, which in Shah Jahan's time flowed under its walls. The whole wall surface was covered with elaborate designs in "Kashi," or tile mosaics, forming one of the most striking features of the Fort. Little is known by visitors of this tile work, as the space beyond the wall is sacred to the Commissariat Department, and not accessible to the public. It is well worth preservation; the designs include figures of men and animals, representations of the sun and zodiacal signs. Detailed drawings of some have been prepared under Lieutenant Abbott, R.E.

5. The Mogul buildings in the Fort were used by Ranjit Singh: the Shish Mahal became a reception-room, and he added on a number of buildings, not improving to its appearance. He also made the Huzuri Bagh outside to the west, and in its centre erected the marble pavilion, which, I believe, was originally the central feature of Jahangir's Tomb at Shabdara. Moorcroft visited Ranjit Singh at Lahore in May 1820, and his description of the Fort runs as

"Labore is surrounded by a brick wall, about 30 feet high, which estends for about 7 miles, and is contimions with the Fort. The latter, in which the Raja resider, is surrounded by a wall of no great strength, with loopholes for masketry. A beauch of the Ravi washes the loot of its northern fage, but it has no most on either of the remaining aides. The Palane within this unclosure chiled the Saman Barj, which is of many stories, is emirely faced with a within this unclosure chiled the Saman Barj, which is of many stories, is emirely faced with a within this unclosure chiled the Saman Barj, which is of many stories, is emirely faced with a wind in parellain entanted, on which processions and combuts of mon and animals are departured. Many of these are as period as when first placed in the wall. Soveral of the old buildings are in ruins; others are entire, and throw into shade the meaner structures of some focus date. Ranjit Singh has obsared away some of the rubbish, and has required or refitting recast date. Ranjit Singh has obsared away some of the rubbish, and has required or refitting to the ruined buildings of Jahangir and Shah Jahan, but his also arapped to have been converted into a place of exercise for his Sipahi infantry, and he has stripped the have been converted into a place of exercise for his Sipahi infantry, and he has stripped the dame of Asaf Jah, the brother of Nur Jahan Begum, of its white markies to apply them to the erection of some insignificant apartments in the garden of the mosque. The Diwan-team is a long spartment, supported by many pillars."

6. After the peace of 1846 the British troops were quartered in the fort, and since then the buildings have been so altered and destroyed as to attract little interest. A great deal may, however, be done to bring what remains of the old architecture into prominence by resuming charge of the best buildings as objects of interest, and by freeing them of their present occupants and excresioness. The various recommendations submitted to Government are embodied in pages XXIII and CLXXXVII of my Annual Report for 1881-82, and page CIX of the Report for 1882-83.

Travels in the Himsleyan Provinces of Hindustan, &c., by Mr. W. Moorcruft and Mr. G. Tre-beck, from 1819—1825 A. D.: London John Murray.

Appendix M.

Golden Temple at Amritsar, Punjab.

1. Amritsar was founded in A.D. 1574 around a sacred tank from which the city takes its name "Pool of Immortality." The site granted by the Emperor Akbar to Ram Dass, the Guru of the Sikhs, became covered with temples and huts and was at first named Ramdaspur, from the founder. He made Amritsar the proper seat of his followers, the centre which should attract their worldly longings for a material bond of union, and the obscure hamlet with its little pool (General Cunningham tells me there was a village named "Chak" on the site) has grown into a populous city and the great place of pilgrimage of the Sikh people. In A.D. 1756 Prince Timur, the son of Ahmed Shah Durani, expelled the Sikhs from Amritsar, demolished the buildings, and filled the sacred reservoir with the ruins.

In A.D. 1762 the army of the Khalsa assembled at Amritsar, the faithful performed their ablations in the restored pool, and the first diet or Gurumutta was held. The same year Ahmed Shah destroyed the renewed temples and polluted the tank with the blood of cows. In A.D. 1764 the Sikhs became masters of Lahore, the chiefs again assembled at Amritsar, proclaimed their

own away, and rebuilt the temples.1

2. In A.D. 1802 Ranjit Singh repaired the principal buildings and roofed

the temple with sheets of copper gilt.

3. The Tank, as it now exists, is about 500 feet square, and fed by the old Hasli Canat. The Golden Temple stands on a platform in the centre, and is approached by a pier, at the end of which is the Darshani Door or "Gate of Sights." The Tank is surrounded by bangahs, i.e., dwellings for visitors and pilgrims. To the east is a garden with several fountains, called the Guru-ka-Bagh made in A.D. 1588, and due south of this the Kaulsar Tank, 410 by 170 feet. Further east stands the tomb of Baba Atāl (built in A.D. 1628). The whole place is full of interest although so comparatively modern. In repairing the Golden Temple, Ranjit Singh used many of the inlaid decorations and marbles carried away from the tomb of Jahangir and other Muhammadan monuments at Lahore. It is stated in the official list of buildings of interest published by the Punjah Government in 1875, that the design of the temple repaired by Ranjit Singh was borrowed from the shrine of the Muhammadan Saint Mian Mir, near Lahore (1635 A.D.).

4. At the request of Sir Robert Egerton, the late Lieutenant-Governor, I

4. At the request of Sir Robert Egerton, the late Lieutenant-Governor, I had a careful survey made of the Tank and buildings. It will therefore be more fitting to postpone a detailed description. The architecture is an adaptation of Muhammadan styles, flavored with a good deal that is of Hindu tradition. Birds and animals are introduced in the marble mosaics, and mythological scenes are depicted in the paintings of the interiors. A peculiar flat arch is of frequent use in the façades, and seems to have been universal in Sikh buildings.

and tombs.

Illustrations of the Doors of the Darshani Gate.

No. 1.—Engraving of the Plan and Elevation (Double Plates.) Nos. 2-4.—Chromolithographs of Details of Wood and Ivory (Single Plate.) No.5.— Ditto Ditto (Double Plate.)

The doors of the Darshani Gate are of shisham wood, the front overlaid with silver, the back inlaid with ivory. The silver plated front is ornamented

¹ See Captain Cunningham's History of the Sikhe: London, 1849.

with panels only. The back arranged in square and rectangular panels with geometric and floral designs, in which are introduced birds, lions, tigers, and deer. Some of the ivory inlay is coloured green and red, the effect being extremely harmonious,

6. In January 1881, when I first visited Amritsar, I noticed the mosaics to be suffering from dirt and neglect, and recommended their being periodically

cleaned and kept from cracking by careful oiling.

7. The earliest specimen of oriental marquetry that I know occurs in the famous Somnath Gates, now in the Agra Fort. The elaborate Saracenic patterns on them prove that even if the wood frames were originally in the Somnath Temple, they must have been re-carved by Mahmud of Gharm. They date, at all events, from the early part of the eleventh century, and having been recently cleaned are discovered to be really of sandalwood.

Mr. Fergusson writes -

"The curved ornaments on them are so similar to those found at Cairo in the Mosque of Ebn Toulous (A.D. 885) and other buildings of that age, as not only to prove they are of the same date, but also to show how similar were the modes of decoration at these two extremities of the Moslem Empire at the time of their execution."

8. The wooden mimbar or pulpit in the mosque of Qous, Cairo (twelfth century A.D.) and the marquetry in the Mehrab of the mosque of Nesfy Qeycoum also at Cairo (fourteenth century A.D.) are inlaid with ivory, the geometrical and floral patterns, which are most elaborate and beautiful, resembling

Indian work of the same class.

9. The doors of the mosque of Kharrete at Samarkhand (the building dates before 1405 A.D. when Tamerlane died) are of wood inlaid with ivory, in patterns very Indian in design, and as we know Tamerlane to have been much struck with Indian architecture when be invaded India in A.D. 1395, and to have carried off Indian workmen from Delhi to Samarkhand, it is probable that examples of marquetry existed there before the fourteenth century.

to. The earliest existing specimens of Indian marquetry I know are at Ahmedabad and Bijapur. The wooden canopy over Shah Alam's tomb (A.D. 1475) at the former place being handsomely incrusted with mother-of-pearl. The doorways of the Ashar Mahal (A.D. 1580) at the latter place are inlaid

with ivory.

11. The canopy over Sheik Salim Chisti's tomb (A.D. 1581) at Fatchpur-Sikri

is of wood covered with tessens of mother-of-pearl.

12. The doorways in the Amber Palace (A.D. 1630) near Jaipur are of wood variously ornamented with-

1,-Carved panels. II .- Inlays of ivory.

III.-And small lozenges of ivory which are incrusted with what is known as Bombay inlaid work. Unfortunately these doors are very much neglected and falling to rain.

13. The doors of the Bari Mahal (A.D. 1711) at Udaipur are of another species of marquetry, some being ornamented with small panels of wood overlaid with ivery, like the modern work done at Vingapatam, only in far better taste.

14. The inlaid work of Bombay was imported from Shiraz and Persia, and is the least effective of any of the Indian wood inlays being extremely minute

and monotonous in design.

15 The modern Hoshiarpur work resembles that in the Darshani Gate. It is a promising and rising art manufacture and could derive material for new patterns from the examples above quoted.

Appendix N.

Badshahi Sarai at Nurmahal, near Jalandhar.

(The Illustrations are from Photographs reproduced by Heliogravure,)

The following description is given by Major General Cunningham, Director General of the Archaeological Survey (see Report, Vol. XIV):—

"The small fown, Normalial, in the Jalandhar Doob, was named after the famous Empress
of Jahangir, and in honour of her its Badahahi Sarai was built of unusual size, and with two
highly-ornamented stone gateways. Nurmithal is situated 25 miles to the enter-south-east of
Sultanpur, 16 miles to the south of Jalandhar, and 13 miles to the west of Phalor
The Sarai is 551 feet square outside, including the octagonal towers at the corners. The
wastern gateway is a double-storeyed building, faced on the outside with red sandstone from
the Fatelande-Skiri quarries. The whole front is divided into panels ornamented with sculpture

There are angels and fairles, elephants and thinous over, causels and horses,
monkeys and peacocks, with mon on horseback and archers on elephants

There
was also a similar gateway on the eastern side, but this is now only a mass or rule, and all the
stone facing lust disappeared

On the north side of the courty ard there is a margid,
and in the middle a fine well. On each side there are 32 rooms, each to face to inches aquare,
with a verandah in front

The Emperos's apartments formed the centre black of
the muth side, three storeys in height. The rooms were highly finished, but all their beauty is
now concealed under the prevailing whitewash."

PLATE No. 1.—Side view of the west gate from the south, PLATE No. 2.—Front view of the west gate.

2. The west gate is with its minarets 60 feet high, and has a frontage of about 62 feet. The inscription over the doorway relates that the building was commenced in A.H. 1028=A.D. 1618, and finished in A.H. 1030=A.D. 1620. It is a handsome specimen of Jahangir's architecture, and a singular instance of how figures and animals were tolerated by the Mogul ruler. There is no other Muhammadan building in India so freely ornamented with such carvings. The projecting balcony windows on each side of the entrance are

of graceful design, with pillars and brackets in the Hindu style,

3. In July 1881 Sir Robert Egerton, the late Lieutenant-Governor of the Punjab, ordered the building to be repaired. I visited it in February 1882, had it surveyed and photographed, and on the 19th of June submitted plans and drawings to the Punjab Government, showing how the structure should be treated so as to follow the old architectural lines. In January 1883 I visited Nurmahal, with Mr. Harrington, the Executive Engineer of Jalandhar, and Lieutenant Abbott, the Assistant Engineer, Archaeological Sub-division. The structure had been rendered secure and the carved masonry of the façade was in process of repair. Since then the work has been completed, and the approach road improved.

4. The Normahal Sarai shows in what laxury the Mogal Emperors travelled. There are many such halting places on the old road from Delhi through Lahore

to Kashmir, the following being some of those best known:-

I.—Sarai at Palwal (Gurgaon District), 300 years old.

II.—Wazir Khan's Sarai at Karnal, A.H. 1108=A.D. 1696. HI.—Badshah Sarai Gharaunda (Karnal District), A.H. 1048=A.D.

IV.—Kabul Bagh, Par	ripat, A.H. 934=A.D. 1527.
V -Smaller Sarai ne	ar Panipat (Shah Jahan's time).
VI _ Saeni Lashkari K	han (Ludhiama District), Aurangzib.
VII.—Nurmahal Sarai	日本立意 Shah Jahan's time. Shah Jahan's time. (Early Muhammadan.)
VIII _Dakhini Sarai	Shah Jahan's time.
IX -Sultannur Sarai	三元二章 ((Early Muhammadan.)
V Fatabahari Sarai	(Amritsar District), A.D. 1574-
A.—I dicinioni conta	Transferrence and a service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the service of the s

XI.—Nur-ud-din Sarai " "

XII.—Sarai Amanat Khan XIII.—Tank, summer-house and tower near Shekopura (Gujranwala District), Jahangir's time.

XIV.—Naurangabad Sarai (Gujrat District), Aurangrib's time,

The following are of Shah Jahan's time:-

XV .- Yungnari Sarai, Kashmir, 35 miles south of Srinagar.

XVII.—Hirpur Sarai " 24 " " XVIII.—Shahji Murg Sarai " 14 " " " XVIII.—Khanpur Sarai " 10 " "

XIX.—Baramula Sarai " 28 miles north west of Srinagar.

No. I is in use for shops; No. II has only its gate remaining; No. III is not used, but a fine structure; No. IV, only the mosque remains, and the inscription recording Baber's defeat of Ibrahim Lodi; No. V is used; No. VI is used; No. VIII is not used, but a fine building with tiles; Nos. X, XI, XII are converted into villages, and little left except the gateways; No. XIII, the tank very large, and buildings handsome; Nos. XV, XVI, XVII, XVIII and XIX are of stone, and still standing.

Appendix O.

General description of the buildings surrounding the Kutub Minar.

Plate No. 1 .- Plan of the Buildings at the Kutub.

1. The Great Tower, called the Kutub Minar, stands to miles from Modern Delhi, and is surrounded by flindu and Muhammadan ruins. Leaving Delhi by the Lahore Gate, the road passes the remains of the Jantar Manter, or observatory on the left and the mausoleum of Saidar Jang half-way to the Kutub on the right. The Jantar Manter was erected by Raja Jai Singh of Jaipur in the reign of Muhammad Shah, 1720 A.D., for astronomical purposes. It consists of several buildings which, having remained unused are in a state of ruin. The Tomb of Saidar Jang erected by Nawab Shuja-dulah, his son, was planned after the model of the Taj at Agra. It is of red sandstone, surmounted by a marble dome, and occupies the centre of a garden, 300 yards square. From here one passes several ruined tombs on both sides of the road, and enters the Kutub grounds under an old archway.

2. On the left is the dak bungalow, where travellers can be housed for twenty-four hours. There are from here two roads, the chief continuing straight on through the northern part of the ruins, whilst the other diverges to the left and, passing between the two buildings of the dak bungalow to the planted grounds, surrounds the Great Minar, and then rejoins the main road. The local authorities keep up this part of the ground about the Minar, as a garden. The cool shade of the trees and pleasant aspect of the ruins sur-

rounded by turf are a refreshing relief after the dusty road from Delhi.

3. The earliest known city in the neighbourhood of the Kutub was that built by the Raja Dilu about 50 B.C., and was probably occupied by the Raja Dhava, who is said to have erected the Iron Pillar, standing in the court of the Kutub mosque. The Raja Anangpal rebuilt Delhi in A.D. 676, but in A.D. 1052 Anangpal II constructed Lalkot, the ancient walls of which may be seen to the east and north of the Kutub grounds. In A.D. 1180 the Raja Pithora built the Fort of Rai Pithora to surround the Fort of Lalkot on two sides, and to protect the Hindu city from the Muhammadans. The circuit of this city in the 12th century was about 41 miles and encompassed 27 Hindu temples built with beautifully carved pillars. It is probable that these temples were ranged about the ground surrounding the Minar. Some of the pillars still standing, particularly those behind Kutob-ud-din's arches at (4) on the plan, have the appearance of being in their original position. When the Muhummadans under Shahab-ud-din conquered and killed the Raja Pithora in A.D. 1193, the temples, and what is traditionally known as Rai Pithora's "Butkhana," or idol temple, were standing; however, Kutub-ud-din, the ennobled slave and commander of Shahabud-din's army, who was left as Governor of Delhi, overturned the buildings and is said to have constructed the Masjid out of the materials and pillars of the Butkhana. At present the natives regard the courtyard of the mosque as the original Butkhana. Kutub-ud-din built the great range of arches (4) to the west of the court, and there are inscriptions of his on the small gates to the north and east. Shares-ud-din Altamsh added the ranges of arches (3) and (5) outside the court to the north and south in 1229 A.D. The Minur (6) commenced by Kutubnd-din was finished by Altamah in 1220 A.D. The tomb of Altamah (2) was constructed by his daughter in 1235 A.D. In A.D. 1310 the Emperor Ala-ud-din built the gateway (10) and entarged the area of the mosque to the north and east. He began a second tower or Minar (1), which is now a heap of rubble masonry. A small tomb (11) near Ala-ud-din's gate contains the remains of a Muhammadan Fakir, Syud Imam Zamin, and was built in A.D. 1537. The above-mentioned buildings have recently been enclosed by a fence, A. B. C. D. E. F. G. H. J. K. L. M. and the gate of Ala-ud-din (10) repaired. It still remains to clean all the carved masonry of the various buildings, so that inscriptions and tracery may be revealed. The original floor of the Butkhana, or court of the Kutub Mosque, is covered with earth and stone flags, which should be removed.

4. Outside the Kutub enclosure, and about half a mile south-east of the Minar, is the village of Mihroli, famous for the tomb and mosque of a Muhammadan Saint, Kutub Sahib, who died in 1236 A.D.; also for two large Paolis, or wells, one dating from 1052 A.D. and the second from 1263 A.D. Between the Kutub Minar and Mihroli is the tomb of Adam Khan (14), dating 1565 A.D., a building of great solidity, with a fine dome. It is at present used as a resthouse by the district police officers, and is remarkably cool. A similar, but smaller, building to the south of the Kutub enclosure is the tomb of Mihammad Kuli Khan (12), built A.D. 1550. This was converted into a residence by Sir Theophilus Metcalfe, when Resident at Delhi, and is now a hotel. Beyond is the tomb and Mosque known as "Jamali Kamali," 1528 A.D., to which extensive repairs have been recently applied.

5. In overlooking the Kutub ruins as they exist, our principal historical interest lies in their being the record of the great Muhammadan invasion of India and the downfall of Hindu reign. Excepting where the materials of the pre-existing Hindu remains are used, such as carved pillars, brackets, lintels, &c., the buildings are the best of a few examples of highly ornamented Fathan architecture, and form a powerful contrast in their massiveness and vigour to the refined and elegant architecture of the succeeding Muhammadan sulers—the Moghuls—the builders of the sumptuous Taj at Agra and the Fort and pal-

aces of Shahjahanabad.

6. Annexed is a classified list of the more remarkable monuments of antiquity in the Delhi neighbourhood. Those that have not already been cared for should be indicated by notice boards, rendered accessible by reads and paths, and cleared of squatters, villagers, and their cattle. I have marked and classified them according to the orders issued by the Governor General in Council in November 1883, as under:—

I.—Those which, from their present condition and historical or archaeological value, ought to be maintained in permanent good repair.

II.—Those which it is now only possible or desirable to save from further docay by such minor measures as the eradication of vegetation, the exclusion of water from the walls, and the like.

III.—Those which, from their advanced stage of decay or comparative unimportance, it is impossible or unnecessary to preserve—

(a) in charge of Government,
 (b) in charge of private individuals.

Besides the monuments mentioned in the list there are many others lying scattered around Delhi, the history of which remains to be unravelled, whilst explorations may reveal antiquities of surpassing interest. There is scarcely any spot of equal interest in India.

CLASSIFICATION OF THE DELHI MONUMENTS.

AT THE KUTUR.

IN AND AROUND DELHE

Buddhist.

- r. Auska's Pillar in Firoz Shah's Kotila, BiC. 250, 14.
- z. Asoka's Pillar on the ridge near Hinda Rao's house, B. C. 250, In.

Hindu.

- 1. Iron Pillar, A.D. 319. Is (7 on plan).
- 4. Anekpur Bund, 1031 A.D., 3 miles south of Taglilackabad, Ic.
- 5. Fort of Lalkot, 1000 A.D., surrounding the Kutub, He.
- 6. Surul Kund, 1061 A.D. south-east of Tughlarkabad, Ha
- 7. Kills Rai Pithora, 1180 A.D. cust of the Kutuh,

Muhammadan.

GHORI PATHAN.

- 8. Marjid-likutah-ul-Islam, 1193-97 A.D., Ia (8 | 11. Hauz Shamei, 1229 A.D., near Milito), Ia on plan);
- g. Kumb Misur, 1229 A.D., Is (6 on plan).
- to. Altamah's arches, 1229 A.D., la (3 & 5 on plan).
- 13 Altameh's tomb, 1235 A.D. Is (2 on plan). 14. Kutub Sahib's mosque and tomb, 1236 A.D. Id (in Mahroii).
- 12 Sultan Ghori's tomb. 1231 A.D. 34 miles north-west of Kutnb. Ia.
- 15 Tomb of Balhan, 1281 A.D., in Kills Rm Pithora, He.
- 16. Palace at Kilokheri, 1286 A.D. muth of Humayun's tomb, Ila.

KHILD PATHAN.

- to. Alasud-din's gateway, 1310 A.D., In (10 on
- 20. Ala-ud-din's unfinished Minar, 1311 A.D. Ha (t on plan).
- 17. Hanz Khus, 1295 A.D., 2 miles north of Katub,
- 18. Siri or Kila Alai, 1304 A.D. 2 miles northeast of Kutub, Ha.
- 21. Lall Mahal, 1310 A.D., near Nizzm undin's tomb, Ha.
- 22. Alsord-din's tumb. 1717 A.D., south of Sitt.

TUGHLACK PATHAN.

- 23 Niram-ad-din's Baoli, 1321 A.D., near Nizamad-din's tomb. Id.
- Tughlackshad, 4324 A.D., 5 miles east of Kutub, Ia.
- 13. The Post Kimsran's tumb. 1324 A.D. Im-
- built (60g A.D.) at Nizam-od-din's, 1h.
 26. Nizam-od-din's tomb, 1322 A.D. (repaired and aitered), Ib
- 27. Adilabad, 1325 A.D. near Tugulackabad, He-28. Jahun Panah, 1325 A.D., between the Kutub and Siri. Ha
- 39. Biji Mannil 1325 A.D. 2 miles amth-east of Kutub, Ha.
- 30. Piroz Shah's causi (new the Western James Canal), 1351 A.D.
- 31. Firmulad, 1331 A.D., south of Delhi, Ha.

Classification of the Delhi Manuments-continued.

AT THE KUTUB.

IN AND AROUND DELHI.

TUGHLACK PATHAN-contd.

- 32. Jamath Khana Mesque, 1353 A.D., at Nimmad-din's, la
- Tomb of Chiragh Delhi, 1315 A.D. 3 miles parth-east of Katab, I&.
- 34 Palace of Kushait Shifter, 1357 A.D., on the tillge, Ila.
- 33. Fires Shah's Rodia, 138s A.D., south-east of Delhi, Ha.
- 36. Kalan Masjid, 1387 A.D., in Delhi, 16.
- 37. Begampuri Masjid, 1387 A.D., 12 miles sarelymast of Kntub, In.
- 38. Khirki Masjid, 1357 A.D., 2 miles east of Kutub, Ia.
- 39. Tomb of Fires Shah, 1389 A.D., 2 miles porth of Kutub, Ist.

AEGHAN.

- 4n. Tomb of Muharik Shah, 1432 A.D., in Muha-
- rikpur, mear Sefdar Jang, la. 41. Tomb of Bahloi Lodi, 1488 A.D., 22 Chiragh Delhi, Ia.
- 42 Moth-ki-Masjid, 1489 A.D., 3 miles north of Kutub, Is.
- 43. Basti Baool, #488 A.D., at Nisam-ud-driv's Tomb, IA.
- 44 Shrine of Yasuf Kutab 1488 A.D., near Khirlei, IA.
- 45 Sikandar Lodi's Tomb and) in Khairpur, near Suntar
- Mosque, 1517 A.D., Ia. 46. Ibrahim Lodi's Tomb, 1526 jang. A.D., Ia.
- 48. Purana Kila, 1533 A.D., at miles south-mat of Delhi, Ila.
- 50. Shir Mareill, 1540 A.D., in Parana Kila, la. 51. Kila Kona Monqor, 1540 A.D., in Parana
- Kile, Ia. 52. Lail Darwara, or Kahull gate, 1540 A.D., couth
- of Delhi gate, la
- 53 Salingmh, 1546 A.D. In. 54 Mosque and Tomb of In Khan, 1547 A.D., near Arah Seral, Ila.

MOGUL..

- 57. Humayun's Tomb, 1554 A.D., 4 miles sunt of Dellii, la.
- 68. Arab-ki-Seral, 1500 A.D., Illi.
- 50. Nill Charri, 1505 A.D., midesy between Person Kila and Humsyur's Tomb, Ho.
- 60. Tomb of Asam Kinn, 1306 A.D., near Nissenmidin, Ha.
- 61. Bara Palla, 1611 A.D. south of Hamayon's Torob, La.
- 62. Nili Buri, 1624 A.D., near Humayan's Tumb (Baber's Tumb), In
- 63. Channath Khamba, 1024 A.D., at Nimm-undin. Ia.
- 64 Khan Khanan's Tomb, 1626 A.D., sear Hamnyan's Touch, Ita.

- 42. Jamali Kamali Mosque and Tomb, 1525 A.D., In (15 & 16 on plan).
- 49. Imam Zamin; 1537 A.D., Ic (11 on plan).
- 55 Tomb of Muhammad Kuli Khan, 1550 A.D., He (Metcalfe House) (12 an plan).
- 50. Tomb of Adam Khan, 1565 A.D., Is (14 on plun).

Classification of the Delhi Monuments-concluded.

AT THE KUTUR

IN AND AROUND DELHI.

MOGUL-contd.

 Shahjahanahad, or Modern Deibi, 1638 A.D., La and 18.

 Roshanara Bagh, 1650 A.D. outside Delhi, to the west, 10.

67. Begam's Bagh, 1050 A.D. (Queen's Gardans),

68. Tomb of Jahanara Begam, 1081 A.D., at Niramud-din's, IIA.

69. Blinibhulinja, 1681 A.D., north of Labore Gate,

Jantar Manter (Observatory), 1724 A.D., He
 Tomb of Mulammad Shah, 1748 A.D., at
 Nisam-ad-din's, HA.

72 Qudaish Bagh, 1748 A.D., west of Delhi, is 73. Lall Bangle, 1750 A.D., west of Purana Kila.

74. Tomb of Saidar Jung, 1733 A.D. In.

Appendix P.

Diwan-i-Am in the Fort, Delhi.

1. Entering the Delhi Fort by the Lahore Gate one traverses a long and handsome red sandstone arcade, all that now remains of the fine entrance to the Palace. A large open court lay beyond, from which extended, right and left, noble double-storied bazaars. One of these led to the Delhi Gate, the other to the Haiyat Baksh Garden. Immediately in front stands the Nakar Khana, or band-house. Passing beneath its archway one reaches the Diwaniam, once surrounded by the second court of the Palace. Further towards the river front came a garden, and then, right and left, small courts connected by galleries, enclosing the private buildings of the Palace. Of these, the king a Baths, the Pearl Mosque, the Saman Burj, the Diwan-i-Khas, and the Rung Mahal alone remain. Every other structure of importance has been swept away to make room for barracks.

PLATE No. 1.—Chromolithograph of the Mosaic Work at the back of the Marble Throne in the Diwan-i-Am (Double Plate).

PLATE No. 2.—Chromolithograph of the Mosaic of Orpheus (Single Plate).

PLATE No. 3.—Diagram showing the condition of the Mosaics after the mutiny (Single Plate).

2. The Diwan-i-Am, 179 feet 2 inches long by 68 feet wide, is supported by 60 columns of red sandstone, with cusped archways. The total height of the building is 36 feet 6 inches. The pavilion is open at three sides, the throne occupying the centre of the fourth or north side. The wall of the small ruised apartment behind the throne is covered with mosaics in panels of black marble, surrounded by floral scrolls on white marble. This is the only example of black marble mosaic that I know of in India, and there can be little doubt its introduction is due to Austin de Bordeaux, who was in high favour with Shah Jahan. Bernier, the traveller, writing from Delhi in A.D. 1663, says the Frenchman designed the famous Peacock Throne formerly in the Diwan-i-Khas.

3. I learn from General Cunningham that before the mutiny, the mosaic here represented was in a neglected state, and stones had then been extracted, possibly by the native guards of the Palace. Greater damage was, however, done at the mutiny, when Captain Jones (afterwards Sir John Jones) removed eleven of the black marble placques, four being large and seven small panels, which he had set in a marble-table top. He also extracted the figure of Orphens and sold all twelve pieces to the British Government for £500. The position of the five larger pieces is shown in Plate 3, numbered I to V.

4. I had careful full-size water-colour paintings made of these twelve placques (now with the Indian Art Collection at South Kensington), which, with drawings of others made for Prince Soltykoff at Delhi before the mutiny, some lent by General Cunningham and some obtained at Delhi, have enabled me to completely restore the original design. A full-size tracing was made of the wall,

showing-

1.—The mosaic as restored after the mutiny in painted plaster or inc.

II.—The marble placques that are still in the wall.
III.—The missing marble placques and their position.

Colonel M. Hunter, who commanded the troops at Delhi, gave me great

assistance in procuring information.

5. The chromolithograph shows the original design, and the drawing representing Orpheus fidding to the heasts is a faithful copy from the original mosaic. According to tradition Orpheus is a portrait of Austin de Bordeaux, who directed the design and work in A.D. 1648.

 The actual drawing and rendering of the mosaics is no doubt due to native arrists. The birds and animals are common in India, and the foliated

patterns are similar to those of Jahangir's and Shah Jahan's period.

7. The painted portions are being gradually replaced by marble mosaic under the orders of the Punjab Government, and I venture to express the hope that the twelve placques removed by Sir John Jones will be restored to their original places.

Appendix Q.

The Diwan-i-Khas in the Delhi Fort.

1. This handsome pavilion, overlooking the River Jumna on the cast face of the Delhi Fort, is built of white marble, 240 feet long by 78 feet wide, and raised on a marble terrace, 4½ feet high. On each of the four corners of the roof is a kiosque surmounted by a marble dome, which, like the cupolas of Shah Jahan's Agra palaces, was originally plated with copper gilt. The sheets of copper were taken by a Prize agent after the Delhi siege in 1857, on the plea of being movable property!

2. The interior decorations are very beautiful. Mr. Fergusson classes the hall as "certainly the most highly ornamented of Shah Jahan's buildings."

3. The plan consists of a central apartment surrounded by an open corridor. The side of the hall overlooking the river is fitted with a marble screen, now glazed. A water channel passes under the marble floor in the centre of the hall. A flat roof with a coving of marble rests on 32 piers spanned by cusped arches. The outline and proportions are in the best style of Mogul architecture. The lower portions of the piers are inlaid with Pietra Dura. The upper portions, as well as the arches, soffits, spandrils, and coving of the ceilings, are covered with gilded patterns and tracery. The ceilings of both centre room and verandahs are of wood with mouldings dividing the surface into equal and similarly shaped lozenges, in the centre of which are red roses highly gilt.

4. Franklin, who visited Delhi in 1793, says of this pavillon: "The ceiling is of wood, painted red, and richly decorated with gold; it was formerly encrusted with a rich silver foliage, inlaid with gold, at an expense of 30 lakhs of rupees. The Mahrattas took it down, and on sending it to the mint to be coined, obtained 28 lakhs. On a compartment over the cornice are these lines in the Persian character in letters of gold: 'If there is a paradise on earth it is this, 'tis this,' tis this.' The roof is surmounted at the angles with four pavillons,

the ornaments of brass on the cupolas being richly gilt."

PLATE No. 1,-Ceiling of the Diwan-i-Khas (Chromolithograph-Double Plate).

5. The central apartment of the Diwan-i-Khas had its ceiling re-painted in 1876, in preparation for the visit of His Royal Highness the Prince of Wales. The renewal was badly done, the moulded fretwork being re-painted in black, red, and gold, instead of the original pattern, and the central rose converted into a sort of starved starfish, the effect being extremely harsh and glaring, into a sort of starved starfish, the design of its ceiling intact. The wood-Fortunately the outer corridor has the design of its ceiling intact. The woodwork is somewhat decayed, the colours faded, but the delicacy of the pattern is in harmony with the decoration of the marble portions of the building and in the same style.

6. From what is known of Aurangzib's architecture it is unlikely he put up or decorated the ceiling as it now is. His successors allowed buildings to fail into neglect, and both Nadir Shah and the Mahrattas were destroyers, not repairers. Putting other evidence aside, the appearance of the ceiling affords repairers. Putting other evidence aside, the appearance of the ceiling affords repairers on the conclusive grounds for assuming it to be of Shah Jahan's time. This conpretty conclusive grounds for assuming it to be of Shah Jahan's time. This consideration should have weight in rendering the roof secure. It is found that subtractions of the ceiling have got decayed and the superincumbent concrete probably rests as a solid mass. I think any repairs should leave the ceiling intact. To the majority of visitors the Diwan-i-khas is the chief beauty of Delhi.

Appendix R.

Tomb of Itmad-ud-Dowlah, Agra.

t The tomb of Itmad-ud-dowlah is not only one of the finest buildings at Agra, but, after Akbar's tomb at Sikandra, is the second Agra building, in which Pietra Dura mosaic plays an important part. It was completed in A.D. 1626 by Nur Mahal, daughter of Itmad-ud-dowlah, and wife of the Emperor Jahangir.

2. Mr. Keene states that Itmad ad-dowlah died in A.D. 1622, and that a garden house of his had probably existed during his lifetime on the site of the

tomb

3. The Mausoleum is 60 feet square, faced externally with white marble covered with mosaics of geometrical tesseræ and floral patterns. The outer walled enclosure, 540 feet long on each side, contains the garden recently put in good order.

PLATES Nos. 1 to 3.—Details of Painted Decoration (Chromo'ithographs—Single Plates).

4. In the centre of the front, towards the River Jumna, is a red sandstone building, 67 heet long, formerly used by Europeans, but now freed of the doors and windows inserted to make the pavilion habitable. It is in the ceilings of this structure that the painted freeco decorations are to be seen. The whitewash which covered them has been removed by the Government of North-West Provinces, but the patterns might with advantage be re-outlined and revived in parts.

3. In a report dated May 1880, I submitted a recommendation that the beautiful paintings of the interior of the tomb should also be cleaned and

revived

6. Painted decorations were used by Indian architects from the commencement of the Christian era, but their perishable nature and the rough treatment of the buildings, particularly by cooking fires, have left very few examples in a fair state of preservation.

7. Commencing from the first century A.D., we know of the Buddhist sculptures found in the Yusafzai district having been coloured and gilded. I have myself found plaster figures on which the colour was quite fresh, and stone

carvings with remains of gold leaf on their surfaces.

8. The well-known caves at Ajanta were most elaborately painted with Buddhist scenes. The earlier caves are of this date. The paintings copied first by Major Gill, and latterly under the direction of Mr. Griffiths, of the Bombay School of Art, have served as patterns for the decoration of the new Bombay pottery.

9. There is a lack of examples of architectural painted decoration from the Ajanta period down to the 13th century, when the Muhammadans built the Alhambra in Spain and adorned it with highly moulded and coloured plaster arabesques.

to. The early Moslem Emperors of Delhi built tombs and mosques of great solidity, and carved the decoration on the stone; but painting was also used, as may be seen in portions of the tomb of Shams-ud-din (A.D. 1236) at the Kutub.

11. The beautifully-illuminated korans, dating from the 14th century A.D.,

found at Cairo, show how the love of coloured arabesque had developed.

12. Coloured frescos occur in Bokhara buildings (of Tamerlane's reign, before 1405 A.D.) and are a mixture of Indian Muhammadan, Chinese, Tartar, and Russian ornament.

13. The following are some of the principal examples of mediaval Indian

paintings:-

I.—Interior of the dome of Shah Alam's tomb at Ahmedabad, 1475 A.D.

II.—Walls in Man Singh's Palace at Gwallor, 1507 A.D.

III.—Ceilings in the Kila Kona Mosque at Delhi, 1540 A.D.

IV - Beautiful Mehrab, or Chapel, in the Jama Masjid, Bijapur, 1557

V.—Archway to the great Mosque at Fatehpur Sikri, 1571 A.D. (This has been recently restored by the Government of the North-Western Provinces. Abal Fazi tells us that Akhar imported painters from Tabriz and Shiraz, in Persia.)

VI.—Vestibule of Akbar's tomb, Sikandra; also the archway of the west gateway, 1613 A.D. [These have been partially restored by the

Government of the North-Western Provinces.)

VII .- Trimal Nayakkan's Palace and Temples at Madura, in Madras,

1623 A.D.

VIII.—Frescos in Wazir Khan's Mosque at Lahore, 1624 A.D. (These have been damaged by clumsy repairs done by the native custodians.)

IX.—Interior of Itmad-ad-dowlah's tomb at Agra, 1628 A.D. X.—Corridors of Jahangir's tomb at Lahore, 1628 A.D. XI.—Ceiling of the Khas Mahal, Agra Fort, 1630 A.D.

XII.—Shah Jahan's painted ceilings in the Shahlimar Gardens, Kashmir, 1640 A.D. (These are mentioned by Sir Thomas Roe in 1699.)

Appendix S.

List of Graco-Buddhist Sculptures excavated in Yusufsai during the winters of 1883 and 1884.

Place;	Todez No.	None forms or pinces	Otronomies of hox or places	Season	Desti
Saughno Monastury	#3	· ·	2" 2" × 9"	3 fragments; seared Buddhas	1
	2.	. 2	2'0" # 1 5	10 fragments.	1
	3	133	1 19 31 4	a Bons' beads and fore feet.	
		A	ra" diame.	Disc of the upper part of a Tope	11
	50	Diam'r.	1 2 7 11	Head of a Prince with elaborate tree halo.	
			to diam.	Capital of a pillar.	Ш
	7	9	at at wat 5"	3 figures of woman and eagle (t from Upper	
	5		20 xx 7	Nuttu) and a knob: 3 small chapels and a lotah of earthenware.	110
			2000	11 portions of friezes.	
	10	10	# 5" *1" 0"	3 portions of a frieze with pilasters.	II S
	11	ti	1 2 x 2	4 crouched figures (like Caryatides).	1 8
	12	12	1000	to parts of friezes.	Museum
	13	13	3 0 = 1 10"	9 punels of seated Buddhas with pilasters.	1
	14	14	3 10 × 1 3	12 hmids of lians, 2 of an elephant	1
	15	15	37.414	5 panels, 3 seated Buddhas, Buddha and Uru-	-ahore
				vilwa, and the death of Buddha.	1
	36	16	10 418	ts parts of frience.	
	17	17	50"×8"	53 pacts of frieses, superated by pilastors, with birth of Buddha, Buddha and Nagas, and other	
	18	18	18 × 8	Part of a capital.	
	10	10	2 0 × 8"	Base of a throne or altar	
	20	20	29"×1"3"	2 dises of the or atom umbrella.	
	21	31	33" 47" 1"	5 stone fragments, nalls, hinges, earthenware cup and bones.	/
Nullah Tope, near	72.	-31	15.5	Side of a niche or chapel, carvings of capids.	
Sunghao.	23	2	204 12	5 fragments of figures.	1
	=4	3	4 8 8 1 4	2 pieces, Prince and attendants around Buddha.	
	#5:	11131	1'6" + 1'5" 2'2' × 7"	2 fragments	
	25	3	22×7	3 fragments, cartle and figures, Buddha and	
			414 - 414	Wolners.	
	35.	6	g'm'sn'n'	Side of a niche (very perfect), panels of seated and standing Buddhus, sides with panels of pairs of cupuls	12
	q8:	7.	3 0 ×7	5 pieces of a frieze, figures in niches separated by pillars	#
	29	H	10 x 1 5	6 heads, lower part of a throne and part of a rail ornament.	1
	37	9	2 3 × 2 2	Upper part of niche (in 3 pieces), Prince and women, &c.	Labon Museum.
	34	10	1'5' × 11'	2 pieces, one representing a cofin on an altar with surrounding figures.	3
ALC: U	22	7.5	25 111	Part of the side of a niche, like No. 27.	1
	33	142	25" = 8"	4 pieces of a frium, figures in niches with inter- mediate pillars.	
	34	43	10 .7	3 heads, t seated Huddha.	
	33	14	tita nito.	a fragments.	
	30	16	2 5 2 1 0	5 pieces, mondings, cornices.	
-	37 38	97	1987	y tragments, a disc. nails of iron-	1
	20	18	THE RESERVE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	Small panel, man on horseback.	2

					-
Plan	lodes No.	No. of toxes at places	Dimensions of hox or purce.	Street,	Dem- nation.
Parkah Ruins, pear Sanghas.	40:	*	21" > 10"	5 fragments and some iron cramps	1
Kotah Dwellings,	41:	3	1, 3, × 10,	13 pieces of earthenware pottery, lamps, lotalis, &c.	Lahore Mussum
Jan Ruins, near San-	42	a	23 12 2	7 fragments.	100
ghao. Manomed Nari, near Hast Nagar.	43	16	about 4'	Figure of a Prince.)=
Koi Tangi Monas-	44		1 10 - 10	Panel of seated Buddha and seated attendants, 9 fragments of frieres.	1
tery, max Mian	95		# 6"×10"	o for simple of united, similar to rece 44.	N.
Khan-	45		22-22	4 fragments of a mone, gamuting scome,	
			10000	phant serior. 3 parts of a tricer, seated Buddhas and attend-	
	48	5	3 10 × 7	-Ants.	
	49	6.	a 67 high	Half body of a Prince. Pair of an scanthus capital with Buddhs.	
	30		10" wide	of females the telephone transport of the tele-	
	51		15.85 x 31.95	the country and in Paragraph Printing milital printing and the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the cou	
	53	-	1'9"×1'4"	a parts of a triere in high relief, Buddies snated a parts of a triere in high relief, Buddies snated with attendants, opporated by pilasters.	Ш
	34	ar.	2.6" = 10	a neated Huddhus.	11
	55	112	APLAN A STATE	14 pieces, including 11 heads. 2 parts of a frieze, Baddhes, &c.	11
	56	13	2 7 × 9" 2 3 wide		
	57	14	2 5 × 10	Panel (in two tragments), Dentity	
	(Pt		The same of	Panel-man struck down, horse, &c.	Imperial Myseum, Calcutin
	55		1990年	Davis of a name! like NO 477	1 5
	60		2 6 2 8	3 parts of a frieze, Buddhas, 680+	0
	60		about #	Seaton lighter	I
	1 6		1 8 × 1 2	Sealed Buddha	Λŧ
	6		持造	5 terminals of Hone, &c.	1/3
	6		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Seated Prince. Base of a statue, carred with panel of anater	
	6	7 24	14 - 12		11 1
	61	8 25	11.8" × 11.6"	4 fragments, including part of a winer symmetry	
	6	0 06	1 10 = 1 5	2 tragments, Budans with attendants.	
	7		1 10" × 1 0	Woeship of a Rum gragments	-
	7		1'9" × 11"	Seated Buddhe 3 bragments, Buddha and symbols.	-
	7	3 20	1 11 ×8	I Q south of friezes.	-
	3	4 31 5 32	d 4 8 2 2	7 piaces of a triese of agreement	
	7570	6 33		8 parts of a frieze, figures under arches, 4 parts of a frieze, Huddhas and attendants.	
	1 7	Z 54	1 4 = 1 1	Seated Buddha. Torse worship	
	9	8 35	3 6 × 2 0	2 heres in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	2
		3 3		House disc of a Tope.	
		io 57 ii 38 iz 35	11 diam 1 2 + 10	Central Budding scu-	110
		1 36 12 35	18.17	n sented Huddhas	111
		3 45 14 41	10 11 1	6 pieces of friends. 7 10 pieces of friends.	
	8	47	1, 10, 81	Portion of a niche in high railef.	
	1 2	13 46 14 41 15 42 16 43			1/1
	1	97 44		Singuists.	
	-	100	1		

Plans.	Index No.	No. m boxes co	of hox or pieces.	Serrory.	(Dest)-
Kel Taugi Monas-	38	45	15 + 1 T	28 pieces of frients.	V
tery, wear Mian	80	40.	1 4 87	Standing figure of Buddha.	1
Kinn-crutil	0.0	42	ta high	Broken figure of Buddha.	
	37	440	1 8 × 2	Panel of Buildha, &c.	
	(92	450	3 H × 6	a panels, death and worship of Buildha.	
	93	300	3 1" × 10"	Souted Buildha and seated attendants.	
	94	59	77.7	6 parts of a niche or chapel.	11
10.0	95	53	1 4 47	Figure of a Prince standing.	1 31
	(90)	12	104 0 101	Smited Huddhn.	138
	97.	53.7	學學	Scated Buildha	1 5
	398	53		3 panels, with birth, death, and worship of Buildha.	Imperial Museum, Calculus
	100	50	2011年1月1日日本	8 fragments.	1 事
	1996	57	1 3 - 10,	Part of a panel, worship of Buddha.	130
	tot	50	1' 11" = 10"	Paris of a panel, worship of Buddaa.	(3)
The same of	102	59	24218	6 pinces of friezes.	15
	193	60	400	Z fragments.	
	104	.01	30 × H	n panels, boys mounted on lions.	1 2
	100	55	16 4 10	Part of the side of a niche.	III E
	106	63	81.17	a fragments, saceties, Buddhas, bowl, &c.	100
	COT	65	10000	Pilastor. Buddia nosted.	
	NO.	56	3 0 2 1	a pillars, &co.	
	100	65	27225	5 tragments.	
	210	64	25×0	3 fragments	
	112	69	10 15	2 benda.	
	113	20	2 g" x 81	3 fragments.	1
Opper Notte Mon-	114	201	7 4 45"	Partiest niche in 2 pieces, and 1 fregment of a	1
Khan.	115	- 2	3.4" k3"	2 pieces forming a frinze of figures.	
-	116	1313	3'4" k3" 1.5'49"	Panal between pilasters, death of Buddha.	
	417	- 24	2 # 5	estatue of a Prince.	
	118	3	2 8" × 10"	I friezze in 7 pieces, faneral pile, celle worship,	4
	110	15	3 0 ×8"	Criese of cupids and sine.	13
	130	2	1 11 6 12	6 fragments.	13
	121.	7,00	33" diam.	Base of a pillar.	16
	122	9	24-12	2 panels separated by a pilaster, 4 pieces, Buddhs and stiendants.	温
	127	to	different.	Seated figure of a Prince, holding a vessel.	13
	124		2 6" H 1 6"	4 Staucing women under trees	15
	125	tu.	1' 8" x 0"	Seated figure of a Prince, holding a venuel	14
THE RESERVE OF THE PERSON NAMED IN	190	10	A, B, 4 119.	figures, and S crouched Carya-	Imperial Museum: Calcutta
	127	14	d'illani.	2 panels and a plinature, Buddhas and attendants	H
	128	13	3 0 " × 11"	3 Cancin 2nd ? olingtony Harldhan and associance	
	139	16	1 10 K 1 18	a panels symbol worship. Frince under sanopy, sessed Buddha and attendants, birth of Buddha.	
ower Noths Mon-	130	1	22413	7 fragments.	
AND REAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND	131		10" × 1 10"	9 pieces forming a circular friese, boys and	1.2
Kino			110	garlands	1
	132	3	75 25	3 parts furning firmly of a nighe, palace scenes	184
	133	4	3 3 83 5	TO HEALT BOY A TONFILLEN	52
	134	14 50	2 4 2 1 6	6 Iragments of frience, surious designs	123
V 1000	135	100	2, 1, = 1, 10,	parated by pillars.	Central Muneum,
	136	7 8	g" × 6"	Part of a capital	16
	137	10/	tt"×g"	Panel, seated Buddhs and attendants.	

	India.	No. of	Dimensions at beaut	Some	District of the last
Plant	No.	please	\$1155)		_
			DOCUMENTS.	2 years, death of Buddha, symbol worship.	1
Autra Mon-	138	.9	2 1 * 10	as fewerents of friends, various patterns.	
autory, mear Mian.	130	13	3 7 × 8"	Fragments of a frieze, snated Buddhas and at-	Title 1
Khan-contd.	140	515		tendents.	-22
	142	13	6" radius	Disc of a tee.	
	1 2 2 2 2 2		3 0 x1=	Standing figure of Buddhis.	1
Top at Mala Tangi	142	3	# 0 × 12	Standing furgree of a Prince	
ugar Mian Khan.	143	3	20 220	Control of a night. Buddin masted with symmetry	
		- 24		ef the Tiechakin and attendants (very broken). Triangular box, containing 5 portions of a niche	
	145	- 4	3'9" 82'0"	or chapel; in the upper portion, Buddha's	
				how! his hair and untain &c.	
	146	5	2" 0" × 8"	Cap of a pillar with according traves, charlot	
	1000	165		and four horses, with figures in the centre.	ш.
	147	6	2 6 × 8	a pieces of a circular friese, with figures between columns.	
	1		4" 5" × 10"	Danel recommendar the birth of Building	
	148	8	12"×13	a fragments, Buddher between paints and	н
	149			Roddin and disciples	
	130	9	g 6" = 10"	Portion of the side of a siche or chapel in the centre, with figures of Buildia scated or	
				standing and attendants at the sines, doys	1
				and figures looking out of balconies	115
	131	10	1 5 × 0	t a alashusty and over 1001	115
	152	0.00	1 2 × 6	Friend of Prince Suldartha on his horse and side	12
	111		A serve	Friend of meated figures of Budilina between	113
	153	1 32	1 4 × 3		腿膜
	100	+3	1" 3" ×9"	Part of a niche, stainling Baddhan and alignments	
	134	13		in panels, copids at the side. Part of the side of a ninhe, panels of seated	肥
	155	1174	10, × 10,	Buddhas, cupids at the side.	Contral Murcutto, Malrai
			26 -5	a bases of statues, and one head-	
	1.50		W. W. W. 100	a featurements of charcels	lle.
	157			7 fragments of Buddhes and niches a meanlar discs and part of a third, from a tea	
	1150		18.0		
	100	19	The second second	a pieces of a friend of sented Bouldhas ander	āl li
	16	30	1		
	160	21	30 ×3	2 pieces of a frame of figures, &c., under niches	11.
			1	and between pillars. 2 portions of a expital and cornice.	
	16		12 8 10	" 4 fragments	-118
	10		Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Compan	3 fragments of figures	ш
	10		15 105 - 101	Outagments many	110
	16		1 G X 11	6 frago ents, a heads. Standing figure of Buddha.	-111
	16		22.76	in fragments	4
	30				
	17	0 2	4	attenuates with Commerciation warlands.	
	17	1 30	1 10"×1.6	Several pieces forming the upper drum of	-1/
	17			Top-	1
	-		1		100
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Murian Tope, an	BE: 17	20 H	100 100 100 100	Birth of Buildha (very perfect) Fanct with 3 archways, Buildha leaving hi	9 3
	37		11 × 7	home-	4
74 PM. 1			DATE	Fragment of a panel, manding Hudden boldin	153
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Phice	Index No.	No. of botts of pieces.	Dimemines of box or piece,	Suaract.	Desti
Marian Tope, mar Mian Khan-	177	5	13" * 9"	Part of side of a chapel, Buddha standing with attendants, cupids and people at balconies at sides.	1
evald.	178	6	10"×2"	Part of a cornice.	
	179 180	7 8	2 2 × 1 4	Panel with death of Buildha between pillara. Side of a niche with panels of figures, errowing flowers and in adoration, flanked by cupids.	
	181	10	16'49"	Side of a niche, similar to 180. Fragment of a panel, seated Buddha with	Victoria and Albert Museim, Bombay.
	- 10-	H	a manual	Side of niche, same as 180,	100
	184	10	2" 4" × 10"	Side of niche, same as 180.	18
	185	8	11 × 8"	# fragments, seared Buddhas.	18
	380	14	1, 0 × 10	Panel of death of Buddha.	1.0
	187	13	THE RESERVE TO SERVE THE PARTY.	6 parts of a frieze, seated Buddhas under arches	18
	188	10	1.00 X7	Side of a niche, two sets of standing figures.	37
	189	17	5 x 6 x 12	Fragment of a panet Buildha teaching. Upper portion of a niche, seated Buddha and	個置
	190			attendants,	1
	191	20	11 × 9	Panel in 3 fragments, Buddha seated, a child	ğ
	102			prostrate at his feet.	1.8
	193	1.85	15 11	7 fragminsts	윤
	104	02	13 13	5 fragments.	15
	195	릥	Line	Panel of seated Buddha with a prostrate child-	
	195	44	23 814	3 seated figures of Kings, 1 on a wicker stool and 2 fragments.	
	197	95 86	25 ×1 11"	Fragment of a panel, Buddha leaving his home. Part of a chapel in S fragments, Buddha and elephant, &c.	-
laburai Tope, mar Mian Khan.	199	ä	(' 10" × 15"	pieces of a circular frieze, containing the decam of Maya touched by the white ele- phant, death of Buddha, &c.	\
	300	7	1, 6, 1 8,	3 pieces of a circular frieze, containing a seated Buddha.	buy.
	100	3	1' 8" × 10"	r piece of a circular frieze, containing a men on homeback and the worship of a Tope.	200
	202	A	1.8, 1.9,	a pieces of a circular frieze, containing various	Victoria and Albert Museum, Bombay
	203	5	1 10 -1 2	5 fragments.	100
	204		1" 1" × 12"	2 mated figures.	12
	205	7	1/8"×1/2"	Panel in 2 fragments, 2 scenes of Buddha stand- ing on 2 raised pintform with attendants.	15
	306	8	1 3 x 12"	Panel of a seated Buddha and attendants.	19
V	207	9	13 15	Part of a figure of a Prince and a floral orna-	1
	Boll	10	1'6' kr' 2'	3 fragments of a chapel.	10
	200	11	11" × 6"	Panel of Buddha and Nagaa.	五
	210	32	2 2 21 4	3 seated Princes.	五
	219	13.	2 0"×10" 3 4"×13"	I panel of a seated Buddha, I of a seated Prince 3 fragments of a zhapel.	7
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		-	The second second	a beads and a fragments of hands	V 20 4
hingiai Tope	213	- 1	JAE 38		151
hinglai Tope .	213 214	#	15 1 1	Papel between pillars, birth of Buddha (in x fragments).	禮

Place	thingfai Tops — 216 4 contd. 217 228 6		Discounties of box of piece.	Soleth	Descri
	217	9 10 11 13 14	# 0" x 7" # x 13" # x 13" # x 13" # x 13" # x 13" # x 14" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" # x 15" #	Side of a nicks, seated Buddhas and attend- ants—capids. Panel, Buddha leaving his home. Buddha's vish to Ururilwa, holding the Naga in his lotal. Panel of seated Buddha and attendams between pillaners. I fragments of a niches. Part of a niche, scated Buddha and monks. 4 piccos of a friese, figures in niches between pillars. 3 pieces of a friese, various scanes between pillars. 4 piccos of a friese, various scanes between pillars. 5 pieces of a friese, various scanes. Panel representing a palace scene. Panel representing a palace scene. Panel of scated Buddha and monks. 5 fragments and steen langs. Panel between pillasters, representing the death of Buddha.	Rangons Museum

Appendix T.

List of Plates for the "Buddhist Scuiptures of Gandhara," under preparation by General Cunningham and Major Cole.

No. of Plate.	No. of Sheet, P	Окасантном	No. in General Curningham's Lat or Photo-	No. in Major Cole's Catalogue.
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-1	-0.3	Map of Jamalgarhi	1775	2271
	31	Map of Jamalgarite	#1-	1846
3		Plan of Ruins at Jamaigachi Map of Tahht-Hahi	100	# 1
- 2	-	Mag of Tahhti-Baht a	400	1968.1
- 5	117.0	Plan of Roma at Tablet-i Bahi	1880	
- 0		Chapel at Lakit-etahi p	***	
- 6		Treasury at Mycenae, 6cc.		9
- 0	- #	Plan and Sketch of the Ramget Fort "		
140		Plianter from Ranigat	0.0	3
42		Plus of Messaters at Samehan		
12	047	Plan of a finddied House and Granary at Sanghan	***	-
112	446	Sertion through the downed terminey at Sangham	-	
184		Plan of Dwellings mar Rhode, Saughair	- #	
178	- 100	Plan of a House and Granary at Bhode, Sangian		
10	77.5	Plan of Monastory, Kui Tangi, Mian Khan Plan of Lower Monastory, Notte, none Mian Khan Plan of Upper Monastory, Notte, none Mian Khan	-	
- 12	-	Plan of Lower Monastery, Native near Minn Khan		177
18		Plan of Mountary and Tope at Tanga, Sanghas		100
200		Plan of Monastery and Tope at Tangi, Sanghao		0.
31	2	Plan of Tope at Marjan, Mian Khan	22	-
31	100	Plan of Tope at Mala Taugi, Minn Klina	***	
33	100	Plan of Tope at Mala Taugi, Minn Kina. Plan of Tope at Nullah, seur Soughan		-
34		Plan of Tone at Habarai, mar Mian Khan		
38		Plan of Tope at Chingial, mer Sanghan Plan of Runn at July, Sanghan Plan of Monustery at Kotah, Sanghan	100	500
- 26	201	Plan of Runn at July Sangtino		100
77	227	Plan of Monustery at Kotan, Sunghan	111	290
25	7 -	View of a planter covered Tope at Au Matriit Scolpture from Mahomed Nari, part at a niche or chapel	***	101
2139	14	Scolpture from Mahamed Nam, part of a miche or chaput	***	(1)
30		Sculpture of a Tope, in the Labore Minteum Sculptures from the Tope at Nidlah		35-15
32		Capital and take of a pillar from Jamalgarhi	1-A-1	200
31	-	Capitals from Jamalgurbi	3-4-4	***
31		Capitals from Janualsuchi, the largest so inches wale	5-A-1	100
2.0	35	Statues at thoughts from Januarianum	16-A-1	
36	300	Starme of Kings from Jamatgaria	12-A-1	ME
32	80	Statue of a King from Matemat Nari, Labor: Misseum		-
11 36 37 38	-	Status of a King from Taval Bula, Labore Meseum		
39	111	Static of a King from Saliri Bahlol, Lahire Miscam		##
140		Two figures in the Labore Massaure		
一件	***	Creating of Personal Statement Co.	700	40-6
43		Figure from the Copper Munimery at North	- A.L.	95-54
52	E	Poor sitting figures of Kings from Janualparhi	12-A-1	200
David .	للبوال			103-10
145		Sculptures of figures from the Upper Monastery, Nuttu		Yes—ie
45.		Four female statuettes from the Upper Monastery, Nuttu	and the same of	144-11
47	-	Two scaletoral chapole from Jamalgaria	9-A-v	Table 1100
- 40	200	Sculptured chapels, &c., from lamalgarhi	11=3-1	
400		Various religious access to an Jamaigarha	D=-A-F	#
50	Tile	Part of a nicles (som the Mounteer at Kee Tang)	in in	47=3
13-1	1	A. Chapel from the Sanghao Monastery	AT THE	V-8
337	3	B. Chapet from Jamargachi	14-A-1	155 3
		C. Chapel from the Upper Monastery, Natta Scalpture of part of a nicks tious the Tope at Nullah	3411	958-5
881	- C	Scribinian or Pare of a memoritors the a che an issumpt.	. 40	39-9
31	-	Scalinton of the side part of a niche from the Tope at Nollah		525-6
34	The state of	Sculpture from the Tope at Marjan, birth of Buddha	150	194-2
26	100		H	164
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List of Plates for the "Buddhist Sculptures of Gandhara," &c.-contd.

No. of Plate.	No. of Shoth	Descrittion.	No. in Corneral Constitution is List of Phoen- crapin.	No. le Major Catalogue
33		Scolpheres representing the birth of Harding Januarynchi	10—A—1.	
± 30		Scolpture from the Upper Mountery at Status, mitoria		:120-:19
- 37	3	Woman and Eagle; No.) from Upper Nutto, Nos. 4, 2, and a from the Sangino Mountary		2-1
58		Garymeric atter Loocharus Various scrues. A. Terrare of a Buchhila Much, Labore	HH	
- 30	iie.	M. Middle with a fiery Halo, standing on water, Sanghao		223
120		C. Figures from the Upper Monastery at Notto D. and E. Hoye and Lasts from Monastery at Kol Tamel		104-01
60	440	Sculpture: Hodden carring a Small treat and come,		
81	144	Scalpture: Transie or Building on fire, Laburo Museum. Scalpture: Buildin, Urovilsen and Naga. Topo at Chinglat		115-16
fiz	941		HI)	17-17
203	***		444	15-15
De			100	47-12
**	177			425-10
-67				110-6
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227		seated Haridkas	100	50-34
17	1770	Band of amali mehm	-	132 0
	-	Seated Statillia, Lower Mountery, Notts	13	5-5
		Various scriptures : Hends of Princes, Sanghao Munistrey -	201	131-3
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		Two Printers and tragmants, wenter with a series	400	17-17
	100	Sculpture; wrated Buildha with attendants, under a gathery		1 2 14
- 79	19891			100
80.	100	Base of a though, higher or wonder and the same	22300	2000
. 20		Steam of the Tope states, Jamalgarhi, XIV, II, and IX.	zi-A-I	1000
	100	Staps of the Tope states, Jamalgachi, XIV, II, and IX. Steps of the Tope states, Jamalgachi, V, VIII, VI, and VII. Steps of the Tope states, Jamalgachi, XVI, IV, and XII.		The same of
81	10001	I Grow of the Tone strong jumilegetit, XVI, IV, and XII	Approximation (-

Appendix U.

Great Temple to Siva and his Consort at Madura.

(An elaborate survey was made by me of this temple, but has not yet been published.)

PLATE I.-View of the Mutte Goparam (Heliogravure).

PLATE II.-View of the Mutarli Mandapam (Heliogravure).

PLATE III.—View of the Viavasanta Mandapam (Heliogravure).

PLATE IV.-Temple Jewels (Chromolithograph).

Madura is one of the most interesting places in India, the peculiarities of Dravidian art being more marked and more grotesquely elaborate here than in any other southern city. The Great Hinda Pagoda, with its picturesque gate-ways and pillared halls, produces a grand effect, whilst the deeply cut sculptures thrown into strong relief by brilliant sunlight are unsurpassed for variety and elaboration. This cannot fail to be the impression produced on any attentive spectator. The temple buildings are, moreover, not deserted like so many Indian shrines, but at all hours thronged with priests, worshippers, buyers and sellers, in this respect rivalling the busy religious spectacles which rapidly succeed each other at Benares. The activity of Hinduism both in its religious and artistic traditions is of the first interest at Madura, whilst in the civil architecture of the city one may observe an unrestrained use and appreciation of Muhammadan forms rendered in the peculiar manner of southern artisans.

2. A plan of Madura, dated 1688 A.D., published in Les Monuments Anciens et Modernes de L'Hindoustan by L. Langlès (Paris, 1821), shows the city to have been laid out with regularity; the central square containing the pagoda and palace buildings, shut in by double walls, was enclosed by a most, again surrounded by streets, the whole covering a square area, to walk round which, the

author says, took a good two hours.

3. The invasion of Southern India in 1310 A.D. by Malik Kafur caused the overthrow of the original pagoda, built probably some centuries before Christ. The existing edifices, forming the central portion of the temple, are said to date from 1520 A.D., but the surrounding and more magnificent buildings are mostly of Trimal Nayakkan's time (1623—1659 A.D.). Some of the inscriptions on the columns and walls are however older. One on the East Gopuram (Sundara Pandiya Gopuram) is dated 1522 A.D.; and in the same building is an inscription recording the gift of lands to the temple in the tenth year of the reign of "Sundara Pandiya Deva" (probably Rajendra Chola, who reigned up to 1113 A.D.).

The following inscriptions were noted :-

East or Sundara Pan	dya Gopura	253	8	+5		3			No.
Thousand pillar Man Minakshi Naikar Ma	ndapam	300	1	. R	3	1	0	1	4
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4. The two central shrines are dedicated to Siva, called "Sundareshuar," and "Minakshi" the fish-eyed goddess, the consort of Siva. The ceremonies connected with these gods furnish constant occasions for festivals within the walls of the temple, as well as processions outside in the city.

5. Photographs were taken of the most remarkable jewels used for the gods. The oldest is a pendant, studded with precious stones, presented by Sundara Pandiyan (which, if he was a Pandyan king, must have been before 1310 A.D.).

Trimal Nayakkan gave a head turban for the god: (See Plate No. 4)

6. The grotesque silver gilt vehicles for the god and goddess to ride in procession represent a lion, a swan, a human-hraded bird, and a Vali or griffin, but are modern goldsmiths' work. All the other ornaments appear to be modern, and there is nothing on record to show when they were given. The designs of jewels at Rameshvaram and Madura are admirable, particularly pendants of double-headed gardess or birds with outstretched wings in solid gold studded with precious stones. These resemble some beautiful Egyptian jewels of gold incrusted with enamel and stones (figured at page 833 of Histoire de L'art dans L'antiquite, by Perrot and Chipiez—Paris Hachette & Co., 1882), which represent birds with outspread wings holding in their talons the emblems of eternity.

7. There is no means of knowing what the plans of the original temples at Madura were like. They may have been isolated shrines or with a single enclosure like the "Alaiva," or they may have been buildings with more than one enclosure like the Egyptian temples; but as rebuilt, enlarged and added to by Trimal Nayakkan, they possess three principal enclosures, and it appears from the unfinished Rayar Goparam that a fourth was in contemplation. All are for the service of the temple, and not as fortifications such as may be the

last three enclosures at Seirangam.

8. The pagoda is very wealthy, has an endowment from Government, and receives frequent gifts of great value. Considerable sums are spent in repairs, and in painting and whitewashing the curved masonry of the Goparams and balls.

9. The following describes those portions of the temple to which unbelievers have access, and which for the most part are under secular government and used for everyday purposes. No notice has been taken of the condition

of the actual sanctuaries, as this is a matter which alone concerns the temple

To. The principal entrance is from the east through the Sundara Pandya Goparam, measuring 102 feet by 58 feet in plan; the building has been repaired and the exterior figures newly painted, the effect being quaint and pleasant at a distance. The steps leading down from the street are in disrepair, On the top step is an inscription which is worn in places. On the side walls of the passage are several other inscriptions. An inscription on the sill stone is worn. The wooden doorway of the Goparam is in disrepair. It is richly broadented with carvings. The chamber on the right has been closed up by a roughly built wall with a small doorway. Rude steps have been made leading up to the left chamber, in which is the staircase for reaching the upper stories. There are two small niches on the inner side of the passage, which are used as receptacles for rubbish. The stone flooring of the passage is worn.

11. On leaving the Sundara Pandya Goparam the Viavasanta Rayar Mandapam is reached. See Plate No. III. Four of the columns on either side of the east entrance have life-size sculptured figures, one slightly mutilated. Three of these have been photographed. On the south side of the court a stone beam has cracked between two columns, and an additional stone pillar has been placed as a support. The roof shows signs of leakage on the east side between the outer and second row of columns, also on the north side. All the columns and ceilings have been whitewashed. A portion of the columnale to the west has been built up to form mortar pits for the recent plaster repairs. Detail drawings were made of three columns and of the plinth of a

fourth.

Mandapam. The entrance steps are in disrepair, and the inscription on the top step is nearly defaced. The floor of the court is in a very bad state. The root appears to be rain-proof, but a number of openings have been made by removing ceiling stabs to admit light, and the rain pours in at these places and does damage. The whole of the ceilings and columns have been whitewashed their lower portions are very dirty. The first two rows of columns have sculptured figures of considerable spirit, and are, with the exception of a few chips, in good preservation. Detail drawings were made of ten columns and of the plinths of two others.

13. South of the Viavasanta Rayar Mandapam is the Sher Vagarar Mandapam, the flooring of which is in great disrepair and very dirty. The lower portions of the columns are whitewashed, and a shed is built against the

north side.

ta. A second approach to the temple enclosure from the east is through the Ashta Sakti Mandapam, a building with a great deal of grotesque curving and colored decoration, used as shops. The floor of the passage is in disrepair, the ceiling and columns are painted; but the lower portions of the latter are

in a very dirty condition, being covered with grease.

15. Passing on the Minakshi Naikar Mandapam is reached. The finering is worn; the roof keeps out rain, but the ceiling is covered with dirt and cobwebs. The ceiling over the main passage is painted, and the supporting columns are colored yellow, but lower portions to a height of 5 feet are in a very dirty condition. The outer aislest of this court are used as eluphant stables and very dirty. The brass archway for lumps in front of the Chitra Goparam is in a neglected state, and aimost hidden by a dirty wooden scaffold. A slab of black stone has an inscription in good condition. There are also two other inscriptions in the passage, both nearly obliterated.

16. The Chitra Goparam has its flooring in disrepair, and walls and ceiling covered with cobwebs, dust, and lampblack,

17. The Mudfi Pillai Mandapam beyond is much neglected, with whitewashed walls and columns, sculptures covered with oil and cobwebs, and the flooring

in disrepair. There is an inscription on the door sill. No. 17.

18. The Chitra Mandapam is a colonnade round the north, south, and east sides of the Potra Mara Culum tank, (170 feet by 114 feat). The flooring lias been recently repaired, and is in good order. The outer row of columns are whitewashed, but the inner columns and ceilings are brilliantly coloured, The wall of the north side is covered with frescos representing the Siva Puranas, and two panels have been photographed. The west side of the tank is shut in by the Kili Kati Mandapam, the flooring of which has been renewed recently. The ceiling is in a dirty condition, and the old paintings discolored. The sculptures are in good preservation, but covered with greatand dirt. The upper parts of the columns are painted. The east wall abutting Minakshi's temple to the west is covered with inscriptions, but some new stones have created gaps in the lines which otherwise seem capable of being read, aithough at present covered with whitewash.

19. The Matarli Mandapant, which adjoins the Kill Kati Court, seems to be of recent construction, and is in good order. The cellings and upper parts of columns are brilliantly painted. (See Plate No. II Heliogravare). At the west end of this Mandapam is a canopy of black stone supported on columns, and near to it a doorway leading into a garden containing the Mandapam of Jawandi Ishnaram. which is in so rainous a condition as to be only a lumber store. Passing from the Kili Kati Mandapam to the Sundarishuar Sunni temple, one reaches the Nadkat Goparam. It is in fair order, but dirty. The wooden door is richly

carved, and a detail drawing was made

20. The temple of Sundarishnar Suami is on all four sides surrounded by a colounade, the flooring of which is in disrepair and strewn with debris. Along the southern sides the columns are black with dirt and smoke, and the coiling is dirty and haunted by bats. The back wall of the cloisters has some inscriptions, which, although here and there damaged, appear to be tolerably clear, On the west side the flooring is worn; columns and ceilings whitewashed, but the roof secure and sound

21. The Palaka Goparam, which is an exit to the west, has been repaired and painted outside, but the ground floor is very dirty and neglected. The staircase

to the upper stories is closed up.

22 The colonnade on the northern side of the temple is whitewashed; its finoring is tirm, although worn. The wall surrounding the enclosure shows several cracks on the south side, and the south-west corner has somewhat sunk and cracked. There are several inscriptions on this wall, as also on some stones in the flooring. Some inscribed paving stones removed from the inner miclosure are strewn about

23. The Mandapanaigam Mandapant is at the north-east corner of the Sundara Ishmra temple enciosure. Its flooring is in disrepair; its columns whitewashed; their capitals and the intermediate enlings blackened by amoke. The steps leading up into the court have been recently re-constructed. This

Mandapam is used as a lumber store.

24. The Sundarishuar or Kambturi Mandapam is an elaborate structure, some of the pillars of which have been detailed. The flooring has been renewed lately, also a number of the columns. The ceiling has been repaired, and the -closurade at the south-east corner has been closed to form a store-room for the various emblematic vehicles used in ceremonies. Many of these vehicles are of

silver, and the best have been photographed,

25. The Goparanaigam Goparam is the chief entrance to the Kambtari Mandapam. The flooring has lately been renewed on the inner side, but the outer portion is old and worn. The wooden doorway has been roughly repaired. The exterior of the Goparam has been repaired and painted, but the interior is black with smoke and dirt. The interior staircase is ruined. There are a few inscriptions in the passage.

a6. The southern tower, called the Jawandi-Lingam Chatti Goparam, has been repaired and re-painted. The outer entrance opening has been narrowed and provided with a small door. The flooring is worn; the side wall and ceiling whitewashed; the stone pilasters painted yellow. The recess on the right is closed up for storing grain. That on the left contains the staircase to the top.

There are two inscriptions in the passage.

27. An inner street passes round the two great temple enclosures on the south, west, and north. Opposite the southern tower and on the other side of the south street is a small porch and door now blocked up. Turning to the west the Tahsildar's office is passed. It has been formed by building walls between the columns, and the rooms are kept in a very dirty condition. Further west and at the corner is the shrine of Ganpati, the Mandapam of which is in a dirty and neglected condition, the floor being strewn with rubbish.

28. The colonnade along the outer wall of the west street is used for cattle. The floors are broken up; the roof leaky and dangerous and sunken in several

places.

29. Both the Kadaka and Palaka Goparams are closed up and no longer used as entrances to the two sanctuaries. They have been repaired and re-paint-

ed outside.

30. The outer entrance of the western or Prakarama Pandya Goparam has been narrowed for a small doorway. The passage is in a very dirty state, being blackened by smoke and dust. The floor of the passage is in disrepair. The staircases leading to the upper stories have been repaired and their walls plastered. The exterior of the tower is in a ruined condition, but repairs are contemplated, and a scaffold for the purpose has been erected. The general construction of the Goparam has been demonstrated by careful drawings. The colonnade between the Goparam and the north-west corner is in fair repair and used as dwellings. The colonnade between the north-west corner of the outer enclosure and the Mutte Goparam is in use as a school, and is in fair condition.

31. The northern tower or Mutte Goparam (see Plate No. I) appears to be unfinished. It is in disrepair; its staircases and upper stories are dirty and

ritinous

32. Opposite this Goparam is the Chinna Mutte Goparam, which has been

recently repaired and re-painted.

33. The sixteen-pillar Mandapam, which is between the thousand-pillar Mandapam and the enclosure of the two principal temples, is in fair condition, but the columns and ceilings are whitewashed.

34 The Suniar Mandapam abuts the east wall of the Sundarishuar en-

closure. It is in fair condition, but the walls are whitewashed.

35. Next to this, to the south, is the Kaliana Mandapam, or marriage hall. The floor is in disrepair; the ceiling and columns whitewashed. It was originally an open pavilion, but now is open on the east only. On the two side walls are some curious drawings. There is an inscription on black stone.

36. The colonnade along the south outer wall and to the east of the southern

tower is in a very dirty and neglected state. The roof is dangerous.

37. Trimal Nayakkans Mandapam, measuring 340 feet by 127 feet, is on the east of the great temple enclosure and across the street. It is also called the Puda Mandapam. Two of the columns have been illustrated in detail. The flooring is firm but worn. The columns and ceiling are whitewashed. The lower portions of the columns are very dirty, and most of the sculptured figures painted. The roof is sound, but the parapet walls over the east and west ends are in ruins. The side walls to the north and south are bare, no parapets having been erected. A portion of the stone coving at the north-west corner is damaged. The sculptured horses on the west side have been slightly mutilated. The tatties and screens put up to enclose the hall are a disgrace to the place. The pavement and colonnade north and south of the building are extremely neglected and dirty, and used as urinals by the natives. There are several neglected and dirty, and used as urinals by the natives. There are several stones bearing inscriptions, but they do not appear to be in their original positions.

38. The Rayar Goparam, measuring 172 feet by 112 feet, is finished to the first story only. The passage is dirty and covered by rubbish of all sorts.

30. Very little attention seems to be paid to the sanitary condition of the temple. Every recess and corner is taken advantage of to be used as a latrine. The only places regularly swept are where processions pass, or where worship is conducted.

40. There are a number of stones bearing inscriptions, the positions of which are indicated by numbers on the plan which I had made of the temple. Many of these seem to be detached from their original positions, and a number of inscribed stones have been brought from the interior enclosures to be used for repairs. This will naturally destroy a good deal of historical evidence which may be of importance.

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Appendix V.

Great Temple to Vishnu on the Srivangam Island near Trichinopoly.

1. The earliest known examples of Dravidian architecture are at Mahavallipur (Seven Pagodas), which, with one exception (the Alaiva or shore temple), date from A.D. 650 to 700, and are cut out of the solid rock, being isolated structures with no enclosures. Mr. Fergusson calls these Raths "the petrilactions of the last forms of Buddhist architecture and of the first forms of that of the Dravidians". The oblong Raths became Gapurams or gates, the square Raths Vimanahs or sanctuaries, and both continued to be copied, together with their details to a late period. The rock-cut caves, with their monolithic pillars, appear to have been the precursors of the many pillared halls or Mandapas of Southern India, and are curiously like the rock-cut tombs and temples of Egypt and Nubia.

2. The Alaiva temple at Mahavallipur illustrates the growth of the style and is a structural temple, probably dating A.D. Soo to 900, the sauctuary being surrounded by an outer wall, whilst an enclosure buried in the sand has recently

been discovered to the west of the building.

3. Mr. Fergusson has touched on the similarities between the Egyptian

and Dravidian Temples. He says-

It may be seembed that the Gopuras, both in form and purpose, resemble the pylons of the Egyptian temples. The courts with pillars and cloisters are common to both and very smiller in arrangement and extent. The great Mandapas and halls of 1,000 columns reproduce the Hypotyle balls, both in purpose and effect, with almost minute accuracy. The absence of any control tower or Vinanah over the sanctuary in Egypt is only compicuously violatest to one instance in Italia (Tanjove). Their made of aggregation, and the amount of labour brestowed upon them for labour's sake, is only too characteristic of both styles."

4. Whilst questioning the accident of this resemblance, Mr. Fergusson considers the interval of time so great as to negative the idea that the features of Dravidian temples were imported from Egypt; but looking to the intercourse between the two countries certainly existing in remote ages, he allows that

seed may have been sown which fructified long afterwards.

5. Beyond mere name, is there any origin common to the Egyptian king and conqueror Rhamses and to the Indian god and hero Rama? We know that the temple of the former—the Ramession at Thebes—was laid out on principles followed at Rameshvaram, the temple of Rama in the extreme south of Madras. Again, the resemblance between the eagle-headed Garuda or vehicle and companion of Vishnu and the bird-headed figures of Egypt, Horus, and Thot, also between the grotesque winged lions of Nimroud in Assyria, and the monster Yalis or griffins of the Madras porches, seems to indicate the origin of some of the features of the Vishna faith.

6. The designs of the temple jewels at Rameshvaram and Madura suggest intique origin, particularly pendants of single and double-headed Garudas or birds, with outstretched wings, in solid gold studded with precious stones. These resemble some beautiful Egyptian jewels of gold incrusted with snamel and stones, figured at page 833 of Histoire de L'art dans L'antiquité, by Perrot and Chipier (Paris Hachette & Co., 1882), which represent birds with outspread wings holding in their talons the emblems of eternity.

PLATE No. 1.-General Plan of the Srirangam Temple-(Double Plate).

7. The great temple on the Srirangam Island, formed by the Kaveri and Kolerun rivers, is over 4 miles north of the Trichinopoly civil station. A plan of A.D. 1688, at page 100 of Vol. I, Les Monuments Anciens et Modernes de L' Hindonstan, by Monsieur L. Langlès (Paris, 1821), shows a pagoda on the present site, but nothing to indicate the disposition of the buildings, or whether the present enclosure walls then existed. Mr. Fergusson states that all the main parts of the temple belong to the first half of the 18th century, and this is probably correct in respect of the superstructures of the pyramid gates which are of brick, plastered in a very florid style. But some of the stone basements of these huge structures have a more ancient look. The rampant horses in Plates Nos. 3 and 9 bear a resemblance to those in the Vellore temple (A.D. 1350). and to thuse at the entrance to Trimal Nayakkan's choultry at Madura (A.D. 1045). A comparison of some of the details in the third and fourth enclosures (see Plate No. 6, Column H, and Plate No.10, Column F) with those in the rock-cut temples and caves at Mahavallipur (650-700 A.D.) show how ancient forms were reproduced in later and more elaborate buildings.

8. Viswanatha Nayakkan, one of the kings of Madura, took possession of Trichinopoly about A.D. 1559, and built part of the Srirangam temple, but Mr. Lewis Moore tells us in his Trichinopoly Manual that he certainly did not build the oldest portions. The Tamil manuscripts state that Trimal Nayakkan (A.D. 1823-1639) constructed 96 Rayar Gopurans, of which some were in Srirangam. Vijava Ranga Choka (A.D. 1705-1731), the last of the Nayakkans, appears to have largely endowed the temple, but shortly after both the pagodas of Srirangam and Jambuishuar were occupied by the troops of Chanda Sahili and the French until the English and their Mahratta ailies under Lawrence. Clive, and Monakji, obliged them to capitulate. Both temples continued to be used as encampments during the wars between the English and French up to the end of the 18th century, when Trichinopoly was transferred to the British

Government.

9. The late Dr. Burnell held the opinion that all the great Madras temples to Vishnu were erected in the 12th and 13th centuries, and that Krishnaraya (1509-1530 A.D.) built the great Gopurams at Conjeveram, Chillambaram, and Srirangam, to form fortifications to protect the shrines from foreign invaders. The masonry of the Srirangam buildings requires to be cleaned of plaster and whitewash before a perfect search can be made for inscriptions to elucidate history.

The following inscriptions were taken note of by my surveyors:-

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16. Due probably to its gradual development around the original central shrine, there is a great want of compactness in the general design. It is now a walled town with a number of spires and fanes dotted irregularly about; and, as Mr. Fergusson remarks, the gateways lose half their dignity from their positions, the bathos of their decreasing in size and elaboration, as they approach the sanctuary, being a mistake which nothing can redeem. On the other hand, there is a great picturesqueness in the whole viewed from a height or distance, and much to admire in the designs and details of the individual structures.

11. I was told that the income amounts to Rs. 60,000 a year, but the annual festivals lasting 20 days, and to which great crowds assemble from all parts, must yield a good deal in gifts and offerings. The three outer enclosures of the temple occupied by houses have since 1871 come under the Municipal Act of that year, and the Commissioners, with receipts amounting annually to over Rs. 20,000, have the means of keeping some of the most important structures in proper condition. I am indebted to Mr. Sewell, Collector of Trichinopoly, for a detailed list of all the more important temple jewels used to adorn the god at festivals. Photographs were procured by me of the best examples. According to the temple records, Vijaya Ranga Choka Nayakkan (A.D. 1705—1731) prescuted some of the earliest specimens, comprising valuable vessels of solid gold and handsome soits for the god, of gold armour studded with precious stones. His Royal Highness the Prince of Wales in 1876 gave a golden salver.

12. The outer or righth court covers a very extensive area, measuring 2,520 feet by 2,865 feet. The four walls are in fair condition. The northern Gopuram at A on the general plan (Plate No. 1) is built up to a height of 4 feet only, and dwelling-houses are erected over it. The eastern tower at B is built to a height of 12 feet. The entrance door is in disrepair. The southern gate at C is complete to the first story and known as the Rayar Gopuram. The structure is overgrown with vegetation which should be removed, and the door which is dilapidated should be repaired. The western tower at D has

its plinth built to a height of only 4 feet.

t3. The seventh court is enclosed on all four sides by walls in disrepair, portions of the parapet and upper masonry having fallen. The exterior of the northern Gopuram at E is in disrepair, also the floor of the ground story. The southern tower or Talayari Gopuram at G is overgrown with vegetation, and its exterior in bad condition, the plaster having fallen in several places. The flooring of the passage is in bad order, and the ceiling with its paintings disfigured with dirt. The western Gopuram at H has its exterior in disrepair,

but the interior is in fair order: the doors require looking to.

14. The walls of the sixth enclosure are in a very rainous condition, the upper portions crambling away and overgrown with creepers. The northern tower at J is overgrown and in a state of rain. The interior is in fair order, but the ceiling of the ground floor has paintings soiled by dirt. The eastern tower at K is known as the Katte Gopuram. The exterior is in fair order, but portions of the plaster in disrepair. The interior of the Gopuram is in good order. The southern or Nanmohan Gopuram at L is in a rained condition, and the exterior full of weeds. The interior is in fair order, but the ceiling freeces of the ground floor dirty. The western or Sakkilian Kottavasal Gopuram at M is in disrepair, and portions of the brickwork fallen.

or Nachiar Sanadi Gopuram at N is in fair order, but the door out of repair.

The eastern or Vaille Gopuram at O is in very good condition, but a portion of the stone coving has been broken off outside. The exterior of the southern or Kurat Alwar Gopuram at P is in great disrepair, but the interior is in fair

order. The painted ceilings of the ground floor are very dirty. There is no

western tower to the fifth court.

16. The walls round the fourth court are in good order. The northern tower at Q is in great disrepair, the plaster having fallen as well as portions The southern tower at R is in disrepair, and young trees of the musonry. cooted on the top. There are but two Gopurams to the fourth court, beyond which none but Hindus may penetrate.

17. The walls and buildings coloured red on the plan, Plate No. 1, enclose the temple proper. Between the fifth, sixth, seventh, and eighth enclosures,

are streets of houses, coloured grey on the plan.

18. The principal halls or Mandapams are between the fourth and lifth enclosures. The thousand-pillar Mandapam at the north-east corner, the Saishgiri Rao Mandapam on the east side, and the Rangvilasam Gopuram to the south.

PLATE No. 2.-Plan and Section of the Thousand-pillar Mandapam-(Single Plate).

PLATE No. 4.-Pillar in the Thousand-pillar Mandapam, marked L on the Plans-(Single Plate).

PLATE No. 8 .- Pillars in the Thousand-pillar Mandapam, marked K and M on the Plan-(Single Plate).

19. The sp-called thousand-pillar Mandapam is in fair order, but portions of the floor near the south entrance and at the north-east corner are broken up. The ceiling and columns have been whitewashed, and some of the latter coloured in red and yellow stripes. The curved stone should be laid bare. The actual number of pillars in the hall is 952. The building runs almost due north and south and measures 508 feet by 155 feet. It has a series of three terraces rising one above the other to the north. Details of three of the columns are shown in Plate No. 4. Column L, and Plate No. 8, Columns K and M. Their simple outline points to the probable early date of the hall, which from its position appears to be an integral part of the fifth enclosure.

PLATE No. 3.-Pillar in the Sashgiri Mandapam, marked B on Plan, Plate No. 1-(Single Plate).

PLATE No. 4 - Pillar in the Sashgiri Mandapam, marked A on Plan, Plate No. 1-(Single Plate).

PLATE No. 9.-Carved Pillars in the Sashgiri Mandapam, from a Photograph reproduced in Heliogravure (Single Plate).

20. The Sashgiri Mandapam is one of the most elaborately carved colonnades in the temple, and, judging from the way in which it is placed, seems to be later than the fifth court. Knowing that Trimal Nayakkan had a share in the additions to the Srirangam temple, the probability of his having built this Mandapam is increased by the resemblance of the rampant horses in Plates Nos. 3 and 9 to those in his choultry at Madura. The carvings are much spoilt by streaks of red and yellow paint. The floor of the building is in disrepair, but the roof and ceiling in fair order. One of the columns has been damaged, and the figures of a tiger and a man lie broken at the base.

PLATE No. 5.-Pillar in the Rangvilasam Mandapam, marked C on Plan, Plate No. 1-(Single Plate).

PLATE No. 6.-Pillar in the Rangvilasam Mandapam, marked E on Plan, Plate 1-(Single Plate).

21. This hall, used as a council room for the temple, also appears to lave been added after the fifth court was built. It is in good condition, but the parapet wall is in disrepair. Details of two of the columns, marked C and E on the plan, Plate No. 1, and figured in Plates Nos. 5 and 6, show considerable relinement and delicacy in design suggestive alike to those who work in stone or metal.

PLATE No. 6.—Pillar in a Mandapam in the northern portion of the fourth enclosure, marked H on Plan, Plate I—(Single Plate).

PLATE No. 10.—Details of a Pillar marked F, and a Door marked J, in the fourth enclosure. See Plan, Plate 1—(Single Plate).

22. Visitors are not allowed in the fourth enclosure, but my Hindu surveyors made a plan of it with the courts beyond, and obtained the details which form the subjects of the illustrations. The column marked H in Plate No. 6 is from a twelve-pillared porch in the northern part, and very similar in design and proportion to the pillars in the Raths at Mahavallipur (650—700 Å D.). Its appearance suggests an early date. The column marked F in Plate No. 10 is from a four-pillared porch to the south of the third enclosure. The door J in Plate No. 10 is from the Garada temple between the two south Gopurams of the third and fourth enclosures. Most of the better planned and more celebrated Madras temples have doors of this description handsomely carved in wood.

PLATE No. 5.—Pillar from a Mandapam in the third enclosure, marked G on Plan, Plate r—(Single Plate).

PLATE No. 7.—Four-pillar Porch in the third enclosure. See D on Plan, Plate 1—(Single Plate).

23. An elegant little porch at the north-west corner of the third court is shown in Plate No. 7. The superstructure above the cornice or Chujjais of wood and probably a repair, the lower parts being of stone. The simplicity of the ornaments is suggestive of the earlier period of Dravidian art. The Column G from a hall in the south-east corner of the third euclosure resembles some of the columns in the Vellore Fort (A. D. 1350).

24. The principal shrine, in the centre of the building, is dedicated to Vishnu, called Rangnath Swami. It has a modern gilt dome. The goddess has a temple in the north-west corner of the fifth enclosure, called "Rangnaiki." Besides these, there are numerous small shrines in the various enclosures dedicated to

minor deities and one to Ganesh.

Appendix W.

Temple to Siva called Jambaishuar on the Srivangam Island, Trichinoputy.

t. In a note on the Srirangam Temple, I have pointed out how we have to look to the Raths at Mahavallipur for the earliest known Indian examples of Dravidian architecture (650-700 A.D.). Mr. Fergusson aptly calls them the petrifuctions of the last forms of Buddhest architecture and of the first forms of the Dravidians. The oblong Raths supplied models for the great gates, the square Raths models for the Vimanas or sanctuaries of the temples. The rockcut caves, with their monolithic pillars, appear to have been the precursors of the many-pillared balls or Mandapas, and resemble the rock-cut tombs and temples of Egypt and Nubia.

2. The temples of Southern India, with their lofty gates and numerous encloing walls, have, whether by accident or through the connection between the two countries in remote ages, a resemblance to the temples of Egypt. The Gopurams resemble the Pylons of the Egyptian temples; the courts with pillars and clossters are common to both, and very similar in arrangement and extent. The great thousand-pillar Mandapams reproduce the Hypostyle halls, and the enclosure of the sanctuary within numerous barriers was in both the very essence

of the plan-

3. The temple to Siva on the Srirangam bland near Trichinopoly, known as "Jambuishnar," is smaller than the Great Temple to Vishnu at the same place; but with the greater interest of earlier date, it surpasses it also in beauty and architectural dignity. There are many inscriptions on its walls, one dating A.D. 1481-82; but if, as Dr. Burnell says, all the great temples to Siva in Southera India were built in the 11th century A.D., we may expect something earlier to be recorded among the inscriptions not yet read or yet to be discovered.

The following were noted by my surveyors:-

Sanctoury—3 on the floor, 2 on walls, total and Court—2 on the floor, 7 on walls, or pillars, cotal and — 16 on the floor, 27 on walls, total 4th — 3 on the floor of temple to Lakshmi	1		1, 500	1000	1987 T
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4 Mr. Lewis Moore, in his Manual of the Trichlampoly District, says the Jambaisbuar temple is not a rich one. It had in A.D. 1750 an endowment of 64 villages, but in 1820 owned only 15. In 1851 an annual money allowance of Rs. 9.450 was given to the pageda in lieu of the lands, and this sum, sufficient to keep the buildings in good order, is paid every year to the trustees.

PLATE No. 1 - General Plan of the Jambuishuar Temple - (Double Plate).

5. There are six courts to the temple: none but Hindus are admitted to the 3rd, 4th, 5th, and 6th. The walls of the first court are in disrepair and overgrown with vegetation. The principal entrance is on the west side by the Gopuram D, the exterior of which is in disrepair but the interior in good order excepting the floor. There is here a stone with an inscription. The northern gate at A is built up to the first story only. The eastern tower at B is finished to a height of only to feet; both are in good condition. The southern Gopuram at C is built up to the first floor; the interior is in good order, but the floor covered with earth; the carved wooden doors are in disrepair. The first enclosure measures 2,420 feet by 1,400 feet. The so-called thousandpillar Maudapam with its tank is in this court, and has to be traversed on entering from the west.

6. The second court measures 1,370 feet by 520 feet. It has only two entrances. The gate at K on the west is overgrown with vegetation, and the exterior is in disrepair. The interior is in fair order, but the door dilapidated. The Gopuram to the east at E is in fair condition, but overgrown with vegeta-

7. The remaining Gopurams at F, G, H, and J, are in a rulnous state: access is, however, denied to any but Hindus. The portions of the building coloured brown are used as dwellings or for secular purposes: the temples and accessories are coloured red, and their gardens green.

PLATE No. 2—Plan and Section of the Thousand-Pillar Mandapam.

PLATE No. 3.-Column marked G on the Plan.

PLATE No. 4.—Columns marked E and F on the Plan.

8. The thousand-pillar Mandapam with its tank, called the Surya Tiratham, measures \$25 feet long by 130 feet wide. The tank is said to be fed by a perpetual spring, but I am anable to verify this. The total number of columns in the hall is 707, and round the tank 132, making 839 in all. The Mandapam runs nearly due north and south, and has four sets of floors rising one above the other to the north. The columns at F and G are elaborate in design, the scrolls of foliation carved in panels being specially effective. Column E is plainer and more primitive in outline. The floors of the building are in bad order; the ceilings, however, in fair condition; but both ceilings and sculptured columns are whitewashed.

PLATE No. 3.-Columns B and C in the Indar Tiratham Mandapam, within the fourth court of the Temple.

 Once a year the god is brought from the Great Vishnu Pagoda at Srirangam and placed in the porch of the Indar Tiratham. The visit is accompanied

with great ceremony, and the priests assemble round the small tank.

The two columns B and C in the building were detailed by my Hindu draftsmen, who alone were permitted to pass beyond the fourth enclosure. Column B resembles those in the Subramanya temple at Chillambram. Column C is an edition of those at the Seven Pagodas, but the building from its position appears to have been added after the fourth enclosure walls were erected.

PLATE No. 4-Column A in the Maisur Raja's Mandapam in the fourth court of the Temple.

PLATE No. 5.-Column D in the Unjal Mandapam in the fourth court of the Temple. Door H in the gate of the third enclosure.

to. The Maisur Raja's pavilion is a square building supported by 24 columns. The Detail A shows the elaborate design and sculpture of one with its scrolls and quaint figure devices. The Unjal Mandapam is a small pavilion at the south-west corner of the fourth court. The Detail D of one of its columns looks more modern in style than the rest of the temple architecture. The Gate H leading into the third court has a handsome wooden door studded with iron knobs, which is detailed in Plate No. 5. (XYLIA-DOLA-BEIFORMIS—The Iron Tree.)

11. The name "Jambnishuar" is derived from Jambu, the name of a tree, and Isvara, a name of the god Siva; but the temple is also known as Tiravanaika, or sacred grove of the elephant, by which name the position of the building is indicated on a map of Trichinopoly, dating A.D. 1688, reproduced in M. Langlè's Monuments Anciens et Modernes de L'Hindoustan (Paris, 1821).

t2. The central sanctuary, called the Jambunath Swami, contains a stone lingam; the building is of small size, irregular in outline in plan and with a flat roof. The female goddess Lakshmi has a temple to herself in the north part of the fifth enclosure; besides these there are numerous pillared halfs and chouteries, a tank and pavilion for the special use of the god and goddess, and a tank and Mandapam dedicated to Brahma.

Appendix X.

Great Temple of Ramnath Swami at Rameshwaram.

is one of five great places of Hindu pilgrimage in India. Rama and Ishwar) is one of five great places of Hindu pilgrimage in India. Rama, the seventh incurnation of Visimu, is said to have worshipped Siya on the site of the temple, and creeted the lingam now in its sanctuary. Hence followers, both of Visimu and Siya, assemble here in great numbers. A light railway would possibly pay to carry pilgrims from the Madara to the coast, but at present the journey is over 68 miles of bad road to Ramnad, the sand being in some places very heavy. Mandapam on the coast is 24 miles further, and from thence a hoat conveys one arross the channel to Paemben in the Rameshwaram Island. The town of that name is about 2 miles beyond, and at its east end stands the temple buildings, the outer walls of which measure 866 feet along the north, 864 along the south, 654 along the east, and 664 along the west face. I had a very careful survey

made of the place, and photographs taken of the principal leatures.

g. The entrance from the Paumben side is by the western Goparam, which is all of stone, measuring in plan 62 feet long by 40 feet wide, and crowned by five stories, the total height being about 100 feet. The building is of comparatively simple outline, excepting the upper story which is covered by some florid plaster figures and ornaments. It is in disrepair; the passage dirty and neglected there are two inscriptions in it. Passing through the door one entern a covered avenue 440 feet long by 60 feet broad, with three rows of columns on either side. The detail was drawn of one with a rampant Yali or griffin. The centre of this avenue is crossed by the third or Muna Peakaram, a corridor encircling the temple buildings on all four sides, and constituting its chief attraction from an architectural point of view. The corridors on the longer sides of the rectangle measure about 657 feet from end to end. All four flanked by elaborately sculptured pillurs in rows from three to five deep produce an effect by the display of labour and the length of the vistas, which is unequalled elsewhere in India. Unfortunately the ceiling and columns are covered with plaster and paint, but

the general effect is most impressive.

g. Passing along this great corridor to the right or south, one sees to the east a tank surmanded by steps measuring 117 feet, square at the top, and to the west a Siva Lingam temple measuring in plan 59 lent by 35 feet, which Mr. Fergusson thinks may date from the 11th or 12th century A.D. Continging along the south, there are some handsome columns at the corner, detailed drawings of which have been made; the former 17 feet and the latter 23 feet in Half way down the length of the corndor one crosses the approach from the southern Goparam. The latter is an unfinished masonry gate built to a hight of 20 feet, and measuring 110 feet by 63 feet in plan. If completed, this would have been the most imposing building in the temple. Now it is overgrown with weeds and in disrepair, the outer opening being narrowed to a small wicket. The corridor to the east of the temple passes between the Mutuer Goparam and the Mangala Goparam on the west or left, and the Vasanta Mandapam and Kaliana Mandapam on the east or right. The Vasanta Mandapam, measuring inside 77 feet by 59 feet, has 34 isolated columns, one of which is 10 feet high, and, with the figures of a Ramnad Raja and his wives, was drawn in detail. The whole building is neglected columns and ceilings plastered, and the ceilings covered with paint. There is an inscription on a black stone slab

The adjoining Kaliana Mandapam measures inside 75 feet by 58 feet but is dirty and dilapidated; the columns and ceilings plastered and colorwashed. Opposite the Kaliana Mandapum is the Mangala Goparam, measuring 35 feet by 23 feet in plan : the superstructure of which is complete. A column in the colonnade in front of the gate was drawn in detail. The Vasanta Goparum forms the principal approach to the temple and is connected by a corridor with the Muth Goparam, a gate measuring 91 feet by 51 feet in plan. Its superstructure is incomplete, but is built of stone without florid figure sculpture to confuse the structural outline, and, as Mr. Fergusson remarks, it more nearly reproduces the effect of an Egyptain propylon than any other example of its class in India. The corridor or Frakaram to the north has over 450 pillars, and a drawing has been made of one with a figure of a man carrying a woman on his back (perhaps Sita being carried off by Ravan). The northern Goparam measures 108 feet by 62 feet, and is built up to a beight of only 12 feet. The structure is in disrepair and overgrown with vegetation: the outer entrance is narrowed to a small wicket. A detail was drawn of a column in the western corridor, with a statue on it of one of the Rajas of Rammad. The outer wall surrounding the temple buildings is in considerable discepair.

4. The sanctuaries of the god and goddess are separate shrines, each surrounded by a Prakaram. The two are connected by a corridor and again surrounded by a second Prakaram, but to this part of the temple only Hindus are admitted. My Hindu draftsmen who were allowed access made a plan and detailed three very handsome wooden doors; they also made a drawing of the monster stone bull or Nandi with its very richly carved trappings and ornaments, which stands under a pillared canopy in front of the Ramnath shrine. It measures 22 feet in length by 17 feet in height, and is nearly half as large again

as the great Nandi in the temple at Tanjore.

5 Mr. Fergusson describes the Rameshwaram temple as belonging to the seventeenth century, except the small Vimana in the west corridor, already described, which he thinks may belong to the eleventh or twelfth century. From the inscriptions furnished to Mr. Sewell, it appears that the Mahamandapam, immediately in front of the Ramnath temple, was built in 1598 A.D., and that the Kotertirtham on the north wall of the temple was built in 1608 A.D. My surveyors noted 27 different inscriptions, the positions of which are indicated by numbers on my survey.

6. I had photographs taken of the jewels used for the god and goddess, and from information furnished by the district authorities, from the temple records,

have ascertained the dates when some were presented, i.e.,-

t .- A conical crown for the god of solid gold, studded with pearls and precious stones, presented 1414 A.D.

ii. - Crowns for the god and goddess of solid gold, embedded with precions stones, presented by Viswanatha Nayakkan about 1557 A.D.

iii.-Pendants of single and double-headed birds or Garudas of gold, embedded with jewels, presented 300 years ago: these are most curious and resemble Egyptian enamelled amniets of the time of Rhanuses II.

iv.-Armour for the god of solid gold and jewels, presented about 250 VEREE REG.

v.-A stool of gold presented about 1665 A.D.

Appendix Y,

Having been called on by the Government of India to furnish a distribution list for the first issue of the Illustrations described in the appendices to this report | side letter No. 15 from the Home Department, Archaeology, dated 28th January 1884). I first made enquiry as to those who would pay for complete lets. The 17 monographs, with 105 plates, have cost about Rs. 200 each entire set, and—

The following have expressed a desire to purchase :-

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The Science and Art Department, Lordin

The Government, North-Western Provinces and Ondit

His Highness the Maharaja of Oodwypere

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The Raja of Narangorh
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(Answers have not yet been received from all the Central India Chiefs.)

The following institutions should possess a set for reference:-

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Seison of Art, Madras.
 Contral Museum, Madray,
 School of Art, Bording,
 Bumbay Aslatin Society.
 Aviatic Society of Bengal
 School of Art, Calcutta.
 Imperial Museum, Calcuma.
 Affabatisd Library.
 School of Art, Labore,
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The following would probably be glad to purchase sets :-

The Ghirts of Kashmir, the Punjab, Hydralised, Mysore, &c., The Royal Asiatic Society of Great Britain and Ireland. The British Museum.

And I suggest that the following be presented with copies through the Secretaries of State for India and Foreign Affairs, with a view to their subscribing to publications of the kind on Indian Art and Architecture -

FRANCE .		Musée Communal, Amiens.
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This would dispose of 85 copies, leaving few for the usual official distribution or for sale to the public.

A fresh edition of 100 copies will cost about 5.500 francs, or 2,250 rupeus, or say Rs 30 for each set of 105 plates, with letterpress and savets.

Appendix Z.

List of Illustrations together with their Cost.

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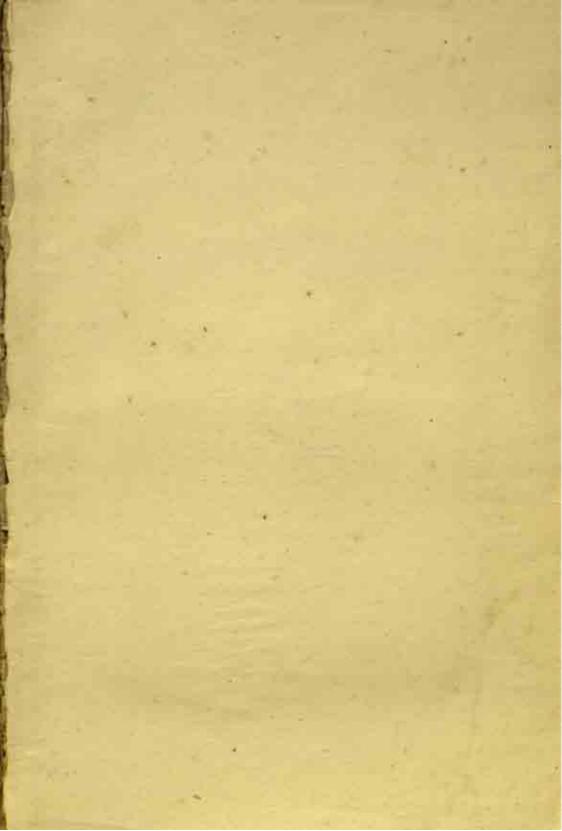
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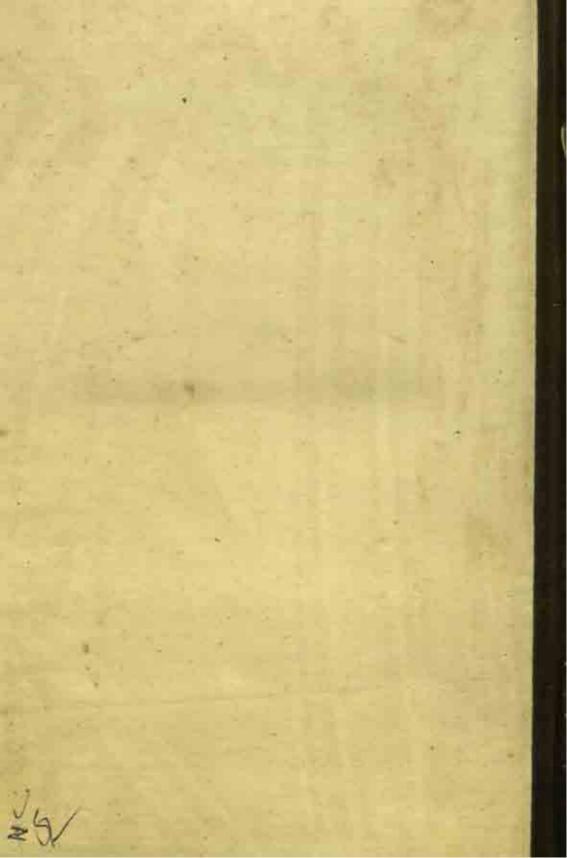
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